

**"IMPROVEMENTS TO BALANCE ROADS AND
DRAINS AT BHUVANESHWARINAGARA AND
MARUTHI LAYOUT OF DASARAHALLI
VILLAGE SURROUNDING AREA IN WARD NO 06
THANISANDRA)."**

Pre-Measurement Sheet

BRUHAT BANGALORE MAHANAGARA PALIKE

NAME OF WORK:-Improvements to Balance Roads and Drains at Bhuvaneshwarinagara and Maruthi Layout of Dasarahalli Village Surrounding area in Ward no. 06 Thanisandra

PRE MEASUREMENT SHEET

Chainage		Description of Item	Unit	No	First and Final			Breadth		Depth	Quantity	Remark
					Length					(m)		
From	To				(m)	B1	B2	Avg B	(m)			
Item no.01		Dismantling of existing structures like culverts,bridges, retaining walls and other structure comprising of masonry, cementconcrete, wood work, steel work, including T&P and scaffolding wherever necessary, sorting the dismantled material, disposal of unserviceablematerial and stacking the serviceable material with all lifts as per specifications. iii)Dismantling Stone Masonry. B. Rubble Stone masonry in cement mortar, and as per the directions of the Engineer-in-charge of the work										
Measurements taken on												
		Culvert Pce										
		W0364	Cum	2	7.80	0.45	0.45	0.45	0.50	3.51		
		Cross Road	Cum	2	7.00	0.45	0.45	0.45	0.50	3.15		
Total Executed Quantity											6.66	
Qty Carried to Summary											6.66	



Contactor

PMC

Assistant Engineer

Assistant Executive Engineer

BRUHAT BANGALORE MAHANAGARA PALIKE

NATURE OF WORK:-Improvements to Balance Roads and Drains at Bhuvaneshwarinagara and Maruthi Layout of Dasarahalli Village Surrounding area in Ward no. 06 Thanisandra

PRE MEASUREMENT SHEET

Chainage		Description of Item	Unit	No	First and Final			Depth (m)	Quantity	Remark
From	To				Length (m)	B1	B2			
Item no.03		Earthwork excavation by manual means for roads, drains & similar works in ordinary soil excavated surface levelled and sides neatly dressed, the disposed earth to be levelled neatly after breaking of clods complete as per specifications and as per the directions of the Engineer-in-charge of the work								
Measurements taken on										
		Maruthi Layout								
		8th Cross Road								
		W0332								
		LHS								
		West to East								
0	15		Cum	1	15.00	1.20	1.20	1.20	0.90	16.20
15	30		Cum	1	15.00	1.20	1.20	1.20	0.90	16.20
30	36.7		Cum	1	6.70	1.20	1.20	1.20	0.90	7.24
		RHS								
		East to West								
0	15		Cum	1	15.00	1.20	1.20	1.20	0.90	16.20
15	26.1		Cum	1	11.10	1.20	1.20	1.20	0.90	11.99
		W0324								
		RHS								
		West to East								
0	15		Cum	1	15.00	1.20	1.20	1.20	0.90	16.20
15	30		Cum	1	15.00	1.20	1.20	1.20	0.90	16.20
30	45		Cum	1	15.00	1.20	1.20	1.20	0.90	16.20
45	59.3		Cum	1	14.30	1.20	1.20	1.20	0.90	15.44
		W0529								
		LHS								
		South to North								
0	15		Cum	1	15.00	1.20	1.20	1.20	0.90	16.20
15	30		Cum	1	15.00	1.20	1.20	1.20	0.90	16.20
30	42.5		Cum	1	12.50	1.20	1.20	1.20	0.90	13.50
		RHS								
		North to South								
0	15		Cum	1	15.00	1.20	1.20	1.20	0.90	16.20
15	30		Cum	1	15.00	1.20	1.20	1.20	0.90	16.20
30	35.5		Cum	1	5.50	1.20	1.20	1.20	0.90	5.94
		W0318								
		LHS								
		West to East								
0	15		Cum	1	15.00	1.20	1.20	1.20	0.90	16.20
15	30		Cum	1	15.00	1.20	1.20	1.20	0.90	16.20
30	45		Cum	1	15.00	1.20	1.20	1.20	0.90	16.20
45	60		Cum	1	15.00	1.20	1.20	1.20	0.90	16.20
60	66.5		Cum	1	6.50	1.20	1.20	1.20	0.90	7.02
		RHS								
		East to West								
0	15		Cum	1	15.00	1.20	1.20	1.20	0.90	16.20



Contactor

Assistant Engineer

Assistant Executive Engineer

PRE MEASUREMENT SHEET

First and Final

Chainage		Description of Item	Unit	No	Length (m)	Breadth			Depth (m)	Quantity	Remark
From	To					B1	B2	Avg B			
15	30		Cum	1	15.00	1.20	1.20	1.20	0.90	16.20	
30	45		Cum	1	15.00	1.20	1.20	1.20	0.90	16.20	
45	60		Cum	1	15.00	1.20	1.20	1.20	0.90	16.20	
60	61.5		Cum	1	1.50	1.20	1.20	1.20	0.90	1.62	
		W0324									
		LHS									
		West to East									
0	15		Cum	1	15.00	1.20	1.20	1.20	0.90	16.20	
15	30		Cum	1	15.00	1.20	1.20	1.20	0.90	16.20	
30	45		Cum	1	15.00	1.20	1.20	1.20	0.90	16.20	
45	51.5		Cum	1	6.50	1.20	1.20	1.20	0.90	7.02	
		RHS									
		East to West									
0	15		Cum	1	15.00	1.20	1.20	1.20	0.90	16.20	
15	30		Cum	1	15.00	1.20	1.20	1.20	0.90	16.20	
30	43.5		Cum	1	13.50	1.20	1.20	1.20	0.90	14.58	
		W0326									
		LHS									
		North to South									
0	15		Cum	1	15.00	1.20	1.20	1.20	0.90	16.20	
15	23.3		Cum	1	8.30	1.20	1.20	1.20	0.90	8.96	
		RHS									
		South to North									
0	15		Cum	1	15.00	1.20	1.20	1.20	0.90	16.20	
15	17		Cum	1	2.00	1.20	1.20	1.20	0.90	2.16	
		W0537									
		LHS									
		West to East									
0	15		Cum	1	15.00	1.20	1.20	1.20	0.90	16.20	
15	30		Cum	1	15.00	1.20	1.20	1.20	0.90	16.20	
30	45		Cum	1	15.00	1.20	1.20	1.20	0.90	16.20	
45	51.5		Cum	1	6.50	1.20	1.20	1.20	0.90	7.02	
1.5	57.8	Road Break	Cum	1	0.00	1.20	1.20	1.20	0.90	0.00	
7.8	72.8		Cum	1	15.00	1.20	1.20	1.20	0.90	16.20	
2.8	85		Cum	1	12.20	1.20	1.20	1.20	0.90	13.18	
		RHS									
		East to West									
0	15		Cum	1	15.00	1.20	1.20	1.20	0.90	16.20	
15	30		Cum	1	15.00	1.20	1.20	1.20	0.90	16.20	
30	45		Cum	1	15.00	1.20	1.20	1.20	0.90	16.20	
45	60		Cum	1	15.00	1.20	1.20	1.20	0.90	16.20	
60	75		Cum	1	15.00	1.20	1.20	1.20	0.90	16.20	
75	85		Cum	1	10.00	1.20	1.20	1.20	0.90	10.80	
		W0537 Dead End									
		North to South									
0	7.8		Cum	1	7.80	1.20	1.20	1.20	0.90	8.42	

381.56



Contractor

PMC

Assistant Engineer

Assistant Executive Engineer

PRE MEASUREMENT SHEET

Chainage		Description of Item	Unit	No	First and Final		Breadth			Depth (m)	Quantity	Remark
From	To				Length (m)	B1	B2	Avg B				
		W0529										
		LHS										
		North to South										
0	15		Cum	1	15.00	1.20	1.20	1.20	0.90	16.20		
15	27		Cum	1	12.00	1.20	1.20	1.20	0.90	12.96		
		RHS										
		South to North										
0	15		Cum	1	15.00	1.20	1.20	1.20	0.90	16.20		
15	26.5		Cum	1	11.50	1.20	1.20	1.20	0.90	12.42		
		Govt. School Road Dasarahalli										
		W0364										
		LHS										
		East to West										
0	15		Cum	1	15.00	1.20	1.20	1.20	0.90	16.20		
15	30		Cum	1	15.00	1.20	1.20	1.20	0.90	16.20		
30	45		Cum	1	15.00	1.20	1.20	1.20	0.90	16.20		
45	60		Cum	1	15.00	1.20	1.20	1.20	0.90	16.20		
60	68.8		Cum	1	8.80	1.20	1.20	1.20	0.90	9.50		
58.8	78.8	No Work	Cum	1	0.00	1.20	1.20	1.20	0.90	0.00		
78.8	90		Cum	1	11.20	1.20	1.20	1.20	0.90	12.10		
90	105		Cum	1	15.00	1.20	1.20	1.20	0.90	16.20		
105	120		Cum	1	15.00	1.20	1.20	1.20	0.90	16.20		
120	132.5		Cum	1	12.50	1.20	1.20	1.20	0.90	13.50		
0	6.7		Cum	1	6.70	1.20	1.20	1.20	0.90	7.24		
		Maruthi Layout										
		5th Cross Road										
		LHS										
		North to South										
0	15		Cum	1	15.00	1.20	1.20	1.20	0.90	16.20		
15	30		Cum	1	15.00	1.20	1.20	1.20	0.90	16.20		
30	45		Cum	1	15.00	1.20	1.20	1.20	0.90	16.20		
45	53.5		Cum	1	8.50	1.20	1.20	1.20	0.90	9.18		
		RHS										
		South to North										
0	15		Cum	1	15.00	1.20	1.20	1.20	0.90	16.20		
15	30		Cum	1	15.00	1.20	1.20	1.20	0.90	16.20		
30	45		Cum	1	15.00	1.20	1.20	1.20	0.90	16.20		
45	59		Cum	1	14.00	1.20	1.20	1.20	0.90	15.12		
		W0630										
		RHS										
		West to East										
0	15		Cum	1	15.00	1.20	1.20	1.20	0.90	16.20		
15	24.5		Cum	1	9.50	1.20	1.20	1.20	0.90	10.26		
24.5	34.5		Cum	1	10.00	1.20	1.20	1.20	0.90	10.80		
34.5	45		Cum	1	10.50	1.20	1.20	1.20	0.90	11.34		
45	60		Cum	1	15.00	1.20	1.20	1.20	0.90	16.20		
60	67.5		Cum	1	7.50	1.20	1.20	1.20	0.90	8.10		
		LHS										
		West to East										
0	15		Cum	1	15.00	1.20	1.20	1.20	0.90	16.20		
15	30		Cum	1	15.00	1.20	1.20	1.20	0.90	16.20		

Contractor



Assistant Engineer

Assistant Executive Engineer

PRE MEASUREMENT SHEET

Chainage		Description of Item	Unit	No	First and Final			Breadth			Depth (m)	Quantity	Remark
From	To				Length (m)			B1	B2	Avg B			
30	45		Cum	1	15.00			1.20	1.20	1.20	0.90	16.20	
45	60		Cum	1	15.00			1.20	1.20	1.20	0.90	16.20	
60	75		Cum	1	15.00			1.20	1.20	1.20	0.90	16.20	
75	90		Cum	1	15.00			1.20	1.20	1.20	0.90	16.20	
90	105		Cum	1	15.00			1.20	1.20	1.20	0.90	16.20	
105	107.5		Cum	1	2.50			1.20	1.20	1.20	0.90	2.70	
		W1047											
		RHS											
		North to South											
0	15		Cum	1	15.00			1.20	1.20	1.20	0.90	16.20	
15	30		Cum	1	15.00			1.20	1.20	1.20	0.90	16.20	
30	45		Cum	1	15.00			1.20	1.20	1.20	0.90	16.20	
45	55		Cum	1	10.00			1.20	1.20	1.20	0.90	10.80	
55	70		Cum	1	15.00			1.20	1.20	1.20	0.90	16.20	
		W1055											
		RHS											
		North to South											
0	15		Cum	1	15.00			1.20	1.20	1.20	0.90	16.20	
15	19.8	Culvert	Cum	0	0.00			1.20	1.20	1.20	0.90	0.00	
19.8	30		Cum	1	10.20			1.20	1.20	1.20	0.90	11.02	
30	45		Cum	1	15.00			1.20	1.20	1.20	0.90	16.20	
45	60		Cum	1	15.00			1.20	1.20	1.20	0.90	16.20	
60	75		Cum	1	15.00			1.20	1.20	1.20	0.90	16.20	
75	84.2		Cum	1	9.20			1.20	1.20	1.20	0.90	9.94	
		Maruthi Layout											
		2nd Cross Road											
		LHS											
		North to South											
0	15		Cum	1	15.00			1.20	1.20	1.20	0.90	16.20	
15	30		Cum	1	15.00			1.20	1.20	1.20	0.90	16.20	
30	45		Cum	1	15.00			1.20	1.20	1.20	0.90	16.20	
45	60		Cum	1	15.00			1.20	1.20	1.20	0.90	16.20	
60	64.1		Cum	1	4.10			1.20	1.20	1.20	0.90	4.43	
		Culvert Pcc											
		W0364	Cum	1	7.80			1.40	1.40	1.40	0.85	9.28	
		W0630	Cum	1	4.80			1.40	1.40	1.40	0.85	5.71	
		Cross Road	Cum	1	7.00			1.70	1.70	1.70	0.95	11.31	
		W0332	Cum	1	7.30			1.70	1.70	1.70	0.95	11.79	
		W0324	Cum	1	6.70			1.70	1.70	1.70	0.95	10.82	
		W0324	Cum	1	6.20			1.70	1.70	1.70	0.95	10.01	
		W0324	Cum	1	6.20			1.70	1.70	1.70	0.95	10.01	
		W0529	Cum	1	7.00			1.70	1.70	1.70	0.95	11.31	
Total Executed Quantity												1494.32	
Qty Carried to Summary												1494.32	

Contractor



Assistant Engineer
7/13/2022

Assistant Executive Engineer
7/13/2022

BRUHAT BANGALORE MAHANAGARA PALIKE

OF WORK:-Improvements to Balance Roads and Drains at Bhuvaneshwarinagara and Maruthi Layout of Dasarahalli
Village Surrounding area in Ward no. 06 Thanisandra

PRE MEASUREMENT SHEET

Chainage		Description of Item	Unit	First and Final		Breadth			Depth	Quantity	Remark
From	To			No	Length (m)	B1	B2	Avg B	(m)		
Item no. 04		Providing and laying Plain cement concrete of mix 1:3:6 with OPC @ 220kgs, with crushed 40mm and down size graded granite metal coarse aggregates @ 0.89cum and fine aggregates @ 0.46cum, in foundation mechanically mixed, placed in foundation and compacted by vibration including curing for 14 days including cost of all materials, labour, HOM curing, form works, scaffolding and centering complete as per specifications. and as per the directions of the Engineer-in-charge of the work									
Measurements taken on											
		Drain PCC									
		Maruthi Layout									
		8th Cross Road									
		W0332									
		LHS									
		West to East									
0	15	Cum	1	15.00	1.20	1.20	1.20	0.15	2.70	✓	
15	30	Cum	1	15.00	1.20	1.20	1.20	0.15	2.70	✓	
30	36.7	Cum	1	6.70	1.20	1.20	1.20	0.15	1.21	✓	
		RHS									
		East to West									
0	15	Cum	1	15.00	1.20	1.20	1.20	0.15	2.70	✓	
15	26.1	Cum	1	11.10	1.20	1.20	1.20	0.15	2.00	✓	
		W0324									
		RHS									
		West to East									
0	15	Cum	1	15.00	1.20	1.20	1.20	0.15	2.70	✓	
15	30	Cum	1	15.00	1.20	1.20	1.20	0.15	2.70	✓	
30	45	Cum	1	15.00	1.20	1.20	1.20	0.15	2.70	✓	
45	59.3	Cum	1	14.30	1.20	1.20	1.20	0.15	2.57	✓	
		W0529									
		LHS									
		South to North									
0	15	Cum	1	15.00	1.20	1.20	1.20	0.15	2.70	✓	
15	30	Cum	1	15.00	1.20	1.20	1.20	0.15	2.70	✓	
30	42.5	Cum	1	12.50	1.20	1.20	1.20	0.15	2.25	✓	
		RHS									
		North to South									
0	15	Cum	1	15.00	1.20	1.20	1.20	0.15	2.70	✓	
15	30	Cum	1	15.00	1.20	1.20	1.20	0.15	2.70	✓	
30	35.5	Cum	1	5.50	1.20	1.20	1.20	0.15	0.99	✓	
		W0318									
		LHS									
		West to East									
0	15	Cum	1	15.00	1.20	1.20	1.20	0.15	2.70	✓	
15	30	Cum	1	15.00	1.20	1.20	1.20	0.15	2.70	✓	
30	45	Cum	1	15.00	1.20	1.20	1.20	0.15	2.70	✓	
45	60	Cum	1	15.00	1.20	1.20	1.20	0.15	2.70	✓	
60	66.5	Cum	1	6.50	1.20	1.20	1.20	0.15	1.17	✓	

47.99



Contractor

Assistant Engineer

Assistant Executive Engineer

PRE MEASUREMENT SHEET

Chainage		Description of Item	Unit	No	First and Final		Breadth		Depth (m)	Quantity	Remark
From	To				Length (m)	B1	B2	Avg B			
RHS											
East to West											
0	15		Cum	1	15.00	1.20	1.20	1.20	0.15	2.70	
15	30		Cum	1	15.00	1.20	1.20	1.20	0.15	2.70	
30	45		Cum	1	15.00	1.20	1.20	1.20	0.15	2.70	
45	60		Cum	1	15.00	1.20	1.20	1.20	0.15	0.27	
60	61.5		Cum	1	1.50	1.20	1.20	1.20	0.15		
W0324											
LHS											
West to East											
0	15		Cum	1	15.00	1.20	1.20	1.20	0.15	2.70	
15	30		Cum	1	15.00	1.20	1.20	1.20	0.15	2.70	
30	45		Cum	1	15.00	1.20	1.20	1.20	0.15	2.70	
45	51.5		Cum	1	6.50	1.20	1.20	1.20	0.15	1.17	
RHS											
East to West											
0	15		Cum	1	15.00	1.20	1.20	1.20	0.15	2.70	
15	30		Cum	1	15.00	1.20	1.20	1.20	0.15	2.70	
30	43.5		Cum	1	13.50	1.20	1.20	1.20	0.15	2.43	
W0326											
LHS											
North to South											
0	15		Cum	1	15.00	1.20	1.20	1.20	0.15	2.70	
15	23.3		Cum	1	8.30	1.20	1.20	1.20	0.15	1.49	
RHS											
South to North											
0	15		Cum	1	15.00	1.20	1.20	1.20	0.15	2.70	
15	17		Cum	1	2.00	1.20	1.20	1.20	0.15	0.36	
W0537											
LHS											
West to East											
0	15		Cum	1	15.00	1.20	1.20	1.20	0.15	2.70	
15	30		Cum	1	15.00	1.20	1.20	1.20	0.15	2.70	
30	45		Cum	1	15.00	1.20	1.20	1.20	0.15	2.70	
45	51.5		Cum	1	6.50	1.20	1.20	1.20	0.15	1.17	
51.5	57.8	Road Break	Cum	1	0.00	1.20	1.20	1.20	0.15	0.00	
57.8	72.8		Cum	1	15.00	1.20	1.20	1.20	0.15	2.70	
72.8	85		Cum	1	12.20	1.20	1.20	1.20	0.15	2.20	
RHS											
East to West											
0	15		Cum	1	15.00	1.20	1.20	1.20	0.15	2.70	
15	30		Cum	1	15.00	1.20	1.20	1.20	0.15	2.70	
30	45		Cum	1	15.00	1.20	1.20	1.20	0.15	2.70	
45	60		Cum	1	15.00	1.20	1.20	1.20	0.15	2.70	
60	75		Cum	1	15.00	1.20	1.20	1.20	0.15	2.70	
75	85		Cum	1	10.00	1.20	1.20	1.20	0.15	1.80	
W0537 Dead End											
North to South											
0	7.8		Cum	1	7.80	1.20	1.20	1.20	0.15	1.40	

Contactor



Assistant Engineer

Assistant Executive Engineer

PRE MEASUREMENT SHEET

Chainage		Description of Item	Unit	No	First and Final		Breadth			Depth (m)	Quantity	Remark
From	To				Length (m)		B1	B2	Avg B			
		W0529										
		LHS										
		North to South										
0	15		Cum	1	15.00		1.20	1.20	1.20	0.15	2.70	
15	27		Cum	1	12.00		1.20	1.20	1.20	0.15	2.16	
		RHS										
		South to North										
0	15		Cum	1	15.00		1.20	1.20	1.20	0.15	2.70	
15	26.5		Cum	1	11.50		1.20	1.20	1.20	0.15	2.07	
		Govt. School Road Dasarahalli										
		W0364										
		LHS										
		East to West										
0	15		Cum	1	15.00		1.20	1.20	1.20	0.15	2.70	
15	30		Cum	1	15.00		1.20	1.20	1.20	0.15	2.70	
30	45		Cum	1	15.00		1.20	1.20	1.20	0.15	2.70	
45	60		Cum	1	15.00		1.20	1.20	1.20	0.15	2.70	
60	68.8		Cum	1	8.80		1.20	1.20	1.20	0.15	1.58	
68.8	78.8	No Work	Cum	1	0.00		1.20	1.20	1.20	0.15	0.00	
78.8	90		Cum	1	11.20		1.20	1.20	1.20	0.15	2.02	
90	105		Cum	1	15.00		1.20	1.20	1.20	0.15	2.70	
105	120		Cum	1	15.00		1.20	1.20	1.20	0.15	2.70	
120	132.5		Cum	1	12.50		1.20	1.20	1.20	0.15	2.25	
0	6.7		Cum	1	6.70		1.20	1.20	1.20	0.15	1.21	
		Maruthi Layout										
		5th Cross Road										
		LHS										
		North to South										
0	15		Cum	1	15.00		1.20	1.20	1.20	0.15	2.70	
15	30		Cum	1	15.00		1.20	1.20	1.20	0.15	2.70	
30	45		Cum	1	15.00		1.20	1.20	1.20	0.15	2.70	
45	53.5		Cum	1	8.50		1.20	1.20	1.20	0.15	1.53	
		RHS										
		South to North										
0	15		Cum	1	15.00		1.20	1.20	1.20	0.15	2.70	
15	30		Cum	1	15.00		1.20	1.20	1.20	0.15	2.70	
30	45		Cum	1	15.00		1.20	1.20	1.20	0.15	2.70	
45	59		Cum	1	14.00		1.20	1.20	1.20	0.15	2.52	
		W0630										
		RHS										
		West to East										
0	15		Cum	1	15.00		1.20	1.20	1.20	0.15	2.70	
15	24.5		Cum	1	9.50		1.20	1.20	1.20	0.15	1.71	
24.5	34.5		Cum	1	10.00		1.20	1.20	1.20	0.15	1.80	
34.5	45		Cum	1	10.50		1.20	1.20	1.20	0.15	1.89	
45	60		Cum	1	15.00		1.20	1.20	1.20	0.15	2.70	
60	67.5		Cum	1	7.50		1.20	1.20	1.20	0.15	1.35	
		LHS										
		West to East										
0	15		Cum	1	15.00		1.20	1.20	1.20	0.15	2.70	
15	30		Cum	1	15.00		1.20	1.20	1.20	0.15	2.70	

Contactor



Assistant Engineer

Assistant Executive Engineer

PRE MEASUREMENT SHEET

Chainage		Description of Item	Unit	No	First and Final		Breadth			Depth	Quantity	Remark
From	To				Length (m)	B1	B2	Avg B	(m)			
30	45		Cum	1	15.00	1.20	1.20	1.20	0.15	2.70	✓	
45	60		Cum	1	15.00	1.20	1.20	1.20	0.15	2.70	✓	
60	75		Cum	1	15.00	1.20	1.20	1.20	0.15	2.70	✓	
75	90		Cum	1	15.00	1.20	1.20	1.20	0.15	2.70	✓	
90	105		Cum	1	15.00	1.20	1.20	1.20	0.15	2.70	✓	
105	107.5		Cum	1	2.50	1.20	1.20	1.20	0.15	0.45	✓	
		W1047									✓	
		RHS										
		North to South										
0	15		Cum	1	15.00	1.20	1.20	1.20	0.15	2.70	✓	
15	30		Cum	1	15.00	1.20	1.20	1.20	0.15	2.70	✓	
30	45		Cum	1	15.00	1.20	1.20	1.20	0.15	2.70	✓	
45	55		Cum	1	10.00	1.20	1.20	1.20	0.15	1.80	✓	
55	70		Cum	1	15.00	1.20	1.20	1.20	0.15	2.70	✓	
		W1055										
		RHS										
		North to South										
0	15		Cum	1	15.00	1.20	1.20	1.20	0.15	2.70	✓	
15	19.8	Culvert	Cum	0	0.00	1.20	1.20	1.20	0.15	0.00	✗	
19.8	30		Cum	1	10.20	1.20	1.20	1.20	0.15	1.84	✓	
30	45		Cum	1	15.00	1.20	1.20	1.20	0.15	2.70	✓	
45	60		Cum	1	15.00	1.20	1.20	1.20	0.15	2.70	✓	
60	75		Cum	1	15.00	1.20	1.20	1.20	0.15	2.70	✓	
75	84.2		Cum	1	9.20	1.20	1.20	1.20	0.15	1.66	✓	
		Maruthi Layout									✓	
		2nd Cross Road									22/5/20	
		LHS									10/2/20	
		North to South										
0	15		Cum	1	15.00	1.20	1.20	1.20	0.15	2.70	✓	
15	30		Cum	1	15.00	1.20	1.20	1.20	0.15	2.70	✓	
30	45		Cum	1	15.00	1.20	1.20	1.20	0.15	2.70	✓	
45	60		Cum	1	15.00	1.20	1.20	1.20	0.15	2.70	✓	
60	64.1		Cum	1	4.10	1.20	1.20	1.20	0.15	0.74	✓	
		Culvert Pcc										
		W0364	Cum	1	7.80	1.40	1.40	1.40	0.15	1.64	✓	
		W0630	Cum	1	4.80	1.40	1.40	1.40	0.15	1.01	✓	
		Cross Road	Cum	1	7.00	1.70	1.70	1.70	0.15	1.79	✓	
		W0332	Cum	1	7.30	1.70	1.70	1.70	0.15	1.86	✓	
		W0324	Cum	1	6.70	1.70	1.70	1.70	0.15	1.71	✓	
		W0324	Cum	1	6.20	1.70	1.70	1.70	0.15	1.58	✓	
		W0529	Cum	1	7.00	1.70	1.70	1.70	0.15	1.79	✓	

63.75



Contractor

PME

Assistant Engineer

Assistant Executive Engineer

Executive Engineer

PRE MEASUREMENT SHEET

First and Final

Chainage		Description of Item	Unit	No	Length (m)	Breadth			Depth (m)	Quantity	Remark
From	To					B1	B2	Avg B			
Measurements taken on											
		Road PCC									
		Maruthi Layout									
		W1047									
		(From North to South)									
0	10		Cum	1	10.00	2.10	2.25	2.18	0.15	3.26	-
10	15		Cum	1	5.00	2.80	2.50	2.65	0.15	1.99	-
15	30		Cum	1	15.00	2.50	2.35	2.43	0.15	5.46	-
30	36.6		Cum	1	6.60	2.35	2.10	2.23	0.15	2.20	-
36.6	45		Cum	1	8.40	2.80	3.25	3.03	0.15	3.81	-
45	60		Cum	1	15.00	3.25	3.35	3.30	0.15	7.43	-
60	66.5		Cum	1	6.50	3.35	3.35	3.35	0.15	3.27	-
		W0630									
		(From West to East)									
0	15		Cum	1	15.00	4.70	4.30	4.50	0.15	10.13	-
15	30		Cum	1	15.00	4.30	4.00	4.15	0.15	9.34	-
30	45		Cum	1	15.00	4.00	3.40	3.70	0.15	8.33	-
45	60		Cum	1	15.00	3.40	3.25	3.33	0.15	7.48	-
60	75		Cum	1	15.00	3.25	3.20	3.23	0.15	7.26	-
75	76.9		Cum	1	1.90	3.20	3.10	3.15	0.15	0.90	-
76.9	90		Cum	1	13.10	4.50	4.30	4.40	0.15	8.65	-
90	105		Cum	1	15.00	4.30	4.35	4.33	0.15	9.73	-
105	114.1		Cum	1	9.10	4.35	4.65	4.50	0.15	6.14	-
		W1049									
		(From North to South)									
0	15		Cum	1	15.00	3.80	3.80	3.80	0.15	8.55	-
15	30		Cum	1	15.00	3.80	4.00	3.90	0.15	8.78	-
30	45		Cum	1	15.00	4.00	4.00	4.00	0.15	9.00	-
45	60		Cum	1	15.00	4.00	4.10	4.05	0.15	9.11	-
60	64.8		Cum	1	4.80	4.10	3.80	3.95	0.15	2.84	-
64.8	67.5		Cum	1	2.70	3.80	4.40	4.10	0.15	1.66	-
		W1035									
		(From West to East)									
0	7.6		Cum	1	7.60	3.20	3.00	3.10	0.15	3.53	-
7.6	14		Cum	1	6.40	3.70	3.00	3.35	0.15	3.22	-
14	22.9		Cum	1	8.90	3.80	3.50	3.65	0.15	4.87	-
22.9	29.5		Cum	1	6.60	5.00	4.70	4.85	0.15	4.80	-
29.5	40		Cum	1	10.50	4.40	2.80	3.60	0.15	5.67	-
40	53.4		Cum	1	13.40	2.80	3.00	2.90	0.15	5.83	-
		W1035									
		(From West to East)									
0	15		Cum	1	15.00	2.60	2.60	2.60	0.15	5.85	-
15	23.4		Cum	1	8.40	2.60	2.60	2.60	0.15	3.28	-
		W0529									
		(From North to South)									
0	5.2		Cum	1	5.20	5.80	5.80	5.80	0.15	4.52	-
5.2	15		Cum	1	9.80	3.90	3.90	3.90	0.15	5.73	-
15	26.3		Cum	1	11.30	3.90	3.90	3.90	0.15	6.61	-

137-21



Contactor

30/03/2022
Assistant Engineer

30/03/2022
Assistant Executive Engineer

PRE MEASUREMENT SHEET

First and Final

Image		Description of Item	Unit	No	First and Final	Breadth			Depth	Quantity	Remark
From	To				Length (m)	B1	B2	Avg B	(m)		
		W0348									
		From West to East									
0	15		Cum	1	15.00	5.20	4.70	4.95	0.15	11.14	
15	30		Cum	1	15.00	4.70	4.70	4.70	0.15	10.58	
30	45		Cum	1	15.00	4.70	4.80	4.75	0.15	10.69	
45	60		Cum	1	15.00	4.80	4.70	4.75	0.15	10.69	
60	75		Cum	1	15.00	4.70	3.90	4.30	0.15	9.68	
		W0609									
		From South to North									
0	15		Cum	1	15.00	4.70	4.50	4.60	0.15	10.35	
15	30		Cum	1	15.00	3.90	4.10	4.00	0.15	9.00	
30	37.2		Cum	1	7.20	4.10	4.00	4.05	0.15	4.37	
		Chember									
			Cum	-7	0.44				0.15	-0.46	76.02
					Area of circle=(3.14X0.75²)/4=0.44						
Total Executed Quantity										513.95	
Qty Carried to Summary										513.95	



Contactor

PMC

Assistant Engineer

Assistant Executive Engineer

21/02

BRUHAT BANGALORE MAHANAGARA PALIKE

NAME OF WORK:-Improvements to Balance Roads and Drains at Bhuvaneshwarinagara and Maruthi Layout of Dasarahalli
Village Surrounding area in Ward no. 06 Thanisandra

PRE MEASUREMENT SHEET

Chainage From To		Description of Item	Unit	No	First and Final			Depth (m)	Quantity	Remark
					Length (m)	Breadth				
					B1	B2	Avg B			
Item no.05		Providing T.M.T bars Fe 500 steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications. and as per the directions of the Engineer-in-charge of the work								
Measurements taken on										
		For Drain	Tonne	From Steel Calculation Sheet					31.14	
		For Culvert	Tonne	From Steel Calculation Sheet					2.42	
Total Executed Quantity									33.57	
Qty Carried to Summary									33.57	

Contractor



Assistant Engineer

Assistant Executive Engineer

21/02

BRUHAT BANGALORE MAHANAGARA PALIKE

NAME OF WORK:-Improvements to Balance Roads and Drains at Bhuvaneshwarinagara and Maruthi Layout of Dasarahalli Village Surrounding area in Ward no. 06 Thanisandra

PRE MEASUREMENT SHEET

First and Final

STEEL CALCULATION

STEEL CALCULATION									
SI NO	Description	Nos	BAR DIA	No. Bars	Total No. bars	Length	Total Length	Weight	Total weight
			mm			m	m	kg/m	Kg's
Item no.05	Providing T.M.T bars Fe 500 steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications. and as per the directions of the Engineer-in-charge of the work								
Measurements Taken On;									
Present Bill Measurements									
For RCC Drain									
Maruthi Layout									
8th Cross Road									
W0332									
LHS									
West to East									
Main Bars (#12@140 c/c)		1	12	262	262	2.40	629.14	0.89	558.56 ✓
Distribution(15-#10)		1	10	15	15	36.70	550.50	0.62	339.40 ✓
RHS									
East to West									
Main Bars (#12@140 c/c)		1	12	186	186	2.40	447.43	0.89	397.23 ✓
Distribution(15-#10)		1	10	15	15	26.10	391.50	0.62	241.37 ✓
W0324									
RHS									
West to East									
Main Bars (#12@140 c/c)		1	12	424	424	2.25	953.04	0.89	846.12 ✓
Distribution(15-#10)		1	10	15	15	59.30	889.50	0.62	548.41 ✓
W0529									
LHS									
South to North									
Main Bars (#12@140 c/c)		1	12	283	283	2.25	637.50	0.89	565.98 ✓
Distribution(15-#10)		1	10	15	15	42.50	637.50	0.62	393.04 ✓

3882.71



Assistant Engineer
10/3/2022

Assistant Executive Engineer
10/3/2022

Sl	Description	Nos	BAR DIA	No. Bars	Total No. bars	Length	Total Length	Weight	Total weight
			mm			m	m	kg/m	Kg's
	RHS								
	North to South								
	Main Bars (#12@140 c/c)	1	12	237	237	2.25	532.50	0.89	472.76
	Distribution(15-#10)	1	10	15	15	35.50	532.50	0.62	328.31
	W0318								
	LHS								
	West to East								
	Main Bars (#12@140 c/c)	1	12	475	475	2.25	1068.75	0.89	948.85
	Distribution(15-#10)	1	10	15	15	66.50	997.50	0.62	615.00
	RHS								
	East to West								
	South to North								
	Main Bars (#12@140 c/c)	1	12	439	439	2.25	988.39	0.89	877.51
	Distribution(15-#10)	1	10	15	15	61.50	922.50	0.62	568.76
	W0324								
	LHS								
	West to East								
	Main Bars (#12@140 c/c)	1	12	368	368	2.25	827.68	0.89	734.82
	Distribution(15-#10)	1	10	15	15	51.50	772.50	0.62	476.28
	RHS								
	East to West								
	Main Bars (#12@140 c/c)	1	12	311	311	2.25	699.11	0.89	620.68
	Distribution(15-#10)	1	10	15	15	43.50	652.50	0.62	402.29
	W0326								
	LHS								
	North to South								
	Main Bars (#12@140 c/c)	1	12	166	166	2.25	374.46	0.89	332.45
	Distribution(15-#10)	1	10	15	15	23.30	349.50	0.62	215.48
	RHS								
	South to North								
	Main Bars (#12@140 c/c)	1	12	121	121	2.25	273.21	0.89	242.56
	Distribution(15-#10)	1	10	15	15	17.00	255.00	0.62	157.22

6992.96



Assistant Engineer

Assistant Executive Engineer

Description	Nos	BAR DIA	No. Bars	Total No. bars	Length	Total Length	Weight	Total weight
		mm			m	m	kg/m	Kg's
W0537								
LHS								
West to East								
Main Bars (#12@140 c/c)	1	12	562	562	2.25	1264.82	0.89	1122.93
Distribution(15-#10)	1	10	15	15	78.70	1180.50	0.62	727.82
RHS								
East to West								
Road Break								
Main Bars (#12@140 c/c)	1	12	607	607	2.25	1366.07	0.89	1212.82
Distribution(15-#10)	1	10	15	15	85.00	1275.00	0.62	786.09
W0537 Dead End								
North to South								
Main Bars (#12@140 c/c)	1	12	56	56	2.25	125.36	0.89	111.29
Distribution(15-#10)	1	10	15	15	7.80	117.00	0.62	72.13
W0529								
LHS								
North to South								
Main Bars (#12@140 c/c)	1	12	193	193	2.25	433.93	0.89	385.25
Distribution(15-#10)	1	10	15	15	27.00	405.00	0.62	249.70
RHS								
South to North								
Main Bars (#12@140 c/c)	1	12	189	189	2.25	425.89	0.89	378.11
Distribution(15-#10)	1	10	15	15	26.50	397.50	0.62	245.07
Govt. School Road Dasarahalli								
W0364								
LHS								
East to West								
Main Bars (#12@140 c/c)	1	12	923	923	2.40	2214.86	0.89	1966.38
Distribution(15-#10)	1	10	15	15	129.20	1938.00	0.62	1194.85

8452.44



Assistant Engineer

Assistant Executive Engineer

Sl. No.	Description	Nos	BAR DIA	No. Bars	Total No. bars	Length	Total Length	Weight	Total weight
			mm			m	m	kg/m	Kg's
	Maruthi Layout								
	5th Cross Road								
	LHS								
	North to South								
	Main Bars (#12@140 c/c)	1	12	382	382	2.40	917.14	0.89	814.25
	Distribution(14-#10)	1	10	14	14	53.50	749.00	0.62	461.79
	RHS								
	South to North								
	Main Bars (#12@140 c/c)	1	12	421	421	2.40	1011.43	0.89	897.96
	Distribution(14-#10)	1	10	14	14	59.00	826.00	0.62	509.26
	W0630								
	RHS								
	North to South								
	Main Bars (#12@140 c/c)	1	12	482	482	2.40	1157.14	0.89	1027.33
	Distribution(14-#10)	1	10	14	14	67.50	945.00	0.62	582.63
	LHS								
	West to East								
	Main Bars (#12@140 c/c)	1	12	768	768	2.40	1842.86	0.89	1636.11
	Distribution(14-#10)	1	10	14	14	107.50	1505.00	0.62	927.89
	W1047								
	RHS								
	North to South								
	Main Bars (#12@140 c/c)	1	12	500	500	2.25	1125.00	0.89	998.79
	Distribution(14-#10)	1	10	14	14	70.00	980.00	0.62	604.21
	W1055								
	RHS								
	North to South								
	Main Bars (#12@140 c/c)	1	12	567	567	2.25	1276.07	0.89	1132.91
	Distribution(14-#10)	1	10	14	14	79.40	1111.60	0.62	685.34

10 278.47



Contractor

Assistant Engineer

12/3/2022

Assistant Executive Engineer

12/3/2022

Description	Nos	BAR DIA mm	No. Bars	Total No. bars	Length m	Total Length m	Weight kg/m	Total weight Kg's
Maruthi Layout								
2nd Cross Road								
LHS								
Main Bars (#12@140 c/c)	1	12	458	458	2.40	1098.86	0.89	975.58
Distribution(14-#10)	1	10	14	14	64.10	897.40	0.62	553.28
						QTY IN KG'S		31142.87
						QTY IN TONNE		31.14
For Culvert								
W0364								
12# @140 c/c main bars	1	12	56	56	5.10	284.14	0.89	252.27
10# @160 c/c Distrubution bars	1	10	27	27	7.80	210.60	0.62	129.84
W0630								
12# @140 c/c main bars	1	12	34	34	5.10	174.86	0.89	155.24
10# @160 c/c Distrubution bars	1	10	27	27	4.80	129.60	0.62	79.90
Cross Road								
12# @140 c/c main bars	1	12	50	50	5.70	285.00	0.89	253.03
10# @160 c/c Distrubution bars	1	10	27	27	7.00	189.00	0.62	116.53
W0332								
12# @140 c/c main bars	1	12	52	52	5.70	297.21	0.89	263.87
10# @160 c/c Distrubution bars	1	10	27	27	7.30	197.10	0.62	121.52
W0324								
12# @140 c/c main bars	1	12	48	48	5.70	272.79	0.89	242.18
10# @160 c/c Distrubution bars	1	10	27	27	6.70	180.90	0.62	111.53
W0324								
12# @140 c/c main bars	1	12	44	44	5.70	252.43	0.89	224.11
10# @160 c/c Distrubution bars	1	10	27	27	6.20	167.40	0.62	103.21
W0529								
12# @140 c/c main bars	1	12	50	50	5.70	285.00	0.89	253.03
10# @160 c/c Distrubution bars	1	10	27	27	7.00	189.00	0.62	116.53
						QTY IN KG'S		2422.78
						QTY IN TONNE		2.42
						TOTAL QTY IN KG'S		33565.65
						TOTAL QTY IN TONNE		33.57



Assistant Engineer

Assistant Executive Engineer

BRUHAT BANGALORE MAHANAGARA PALIKE

WORK:-Improvements to Balance Roads and Drains at Bhuvaneshwarinagara and Maruthi Layout of Dasarahalli
Village Surrounding area in Ward no. 06 Thanisandra

PRE MEASUREMENT SHEET

Chainage		Description of Item		Unit	No	Length	Breadth			Depth	Quantity	Remark
From	To					(m)	B1	B2	Avg B	(m)		
Item no.08		Excavation for roadwork in all types of soil by mechanical means including cutting and loading to tippers, trimming bottom and side slopes, in accordance with requirements of lines, grades and cross sections, and transportation with a lead of 1.00 km and complete as per specifications and as per the directions of the Engineer-in-charge of the work										
Measurements taken on												
		Maruthi Layout										
		W0326/W0537										
		From West to East										
0	15			Cum	1	15.00	5.50	5.90	5.70	0.38	32.49	✓
15	30			Cum	1	15.00	5.90	5.90	5.90	0.38	33.63	✓
30	45			Cum	1	15.00	5.90	5.80	5.85	0.38	33.35	✓
45	60			Cum	1	15.00	5.80	5.80	5.80	0.38	33.06	✓
60	75			Cum	1	15.00	5.80	6.10	5.95	0.38	33.92	✓
75	84			Cum	1	9.00	6.10	6.30	6.20	0.38	21.20	✓
		W0324										
		South to North										
0	15			Cum	1	15.00	5.80	5.70	5.75	0.38	32.78	✓
15	17.2			Cum	1	2.20	5.70	5.75	5.73	0.38	4.79	✓
		W0324										
		East to West										
0	15			Cum	1	15.00	6.30	5.90	6.10	0.38	34.77	✓
15	30			Cum	1	15.00	5.90	5.90	5.90	0.38	33.63	✓
30	45			Cum	1	15.00	5.90	6.10	6.00	0.38	34.20	✓
45	49.3			Cum	1	4.30	6.10	6.10	6.10	0.38	9.97	✓
49.3	50.8			Cum	0	0.00	0.00	0.00	0.00	0.38	0.00	✓
50.8	56.6			Cum	1	5.80	6.00	6.10	6.05	0.38	13.33	✓
56.6	70			Cum	1	13.40	6.10	6.20	6.15	0.38	31.32	✓
70	85			Cum	1	15.00	6.20	6.85	6.53	0.38	37.19	✓
85	92.8			Cum	1	7.80	6.85	6.85	6.85	0.38	20.30	✓
92.8	105			Cum	1	12.20	5.20	5.60	5.40	0.38	25.03	✓
105	115.4			Cum	1	10.40	5.60	5.40	5.50	0.38	21.74	✓
		W0529										
		South to North										
0	15			Cum	1	15.00	6.25	6.20	6.23	0.38	35.48	✓
15	30			Cum	1	15.00	6.20	6.20	6.20	0.38	35.34	✓
30	37.5			Cum	1	7.50	6.20	6.20	6.20	0.38	17.67	✓
37.5	45			Cum	1	7.50	5.70	5.70	5.70	0.38	16.25	✓
45	60			Cum	1	15.00	6.00	6.00	6.00	0.38	34.20	✓
60	75			Cum	1	15.00	6.00	5.80	5.90	0.38	33.63	✓
75	80			Cum	1	5.00	5.80	5.80	5.80	0.38	11.02	✓
		Cross Road										
		West to East										
0	15			Cum	1	15.00	5.10	4.80	4.95	0.38	28.22	✓
15	30			Cum	1	15.00	4.80	4.30	4.55	0.38	25.94	✓

724.43



Contractor

PMC

Assistant Engineer

21/3/2022

PRE MEASUREMENT SHEET

First and Final

Challage From	To	Description of Item	Unit	No	Length (m)	Breadth			Depth (m)	Quantity	Remark
						B1	B2	Avg B			
		Road Strengthening for UGD Cut Portion									
		Maruthi Layout									
		W0326/W0537									
		From West to East									
0	15		Cum	1	15.00	1.10	1.10	1.10	0.23	3.80	
15	30		Cum	1	15.00	1.10	1.10	1.10	0.23	3.80	
30	45		Cum	1	15.00	1.10	1.10	1.10	0.23	3.80	
45	60		Cum	1	15.00	1.10	1.10	1.10	0.23	3.80	
60	75		Cum	1	15.00	1.10	1.10	1.10	0.23	3.80	
75	84		Cum	1	9.00	1.10	1.10	1.10	0.23	2.28	
		W0324									
		South to North									
0	15		Cum	1	15.00	1.10	1.10	1.10	0.23	3.80	
15	17.2		Cum	1	2.20	1.10	1.10	1.10	0.23	0.56	
		W0324									
		East to West									
0	15		Cum	1	15.00	1.10	1.10	1.10	0.23	3.80	
15	30		Cum	1	15.00	1.10	1.10	1.10	0.23	3.80	
30	45		Cum	1	15.00	1.10	1.10	1.10	0.23	3.80	
45	49.3		Cum	1	4.30	1.10	1.10	1.10	0.23	1.09	
49.3	50.8	Culvert	Cum	0	0.00	1.10	1.10	1.10	0.23	0.00	
50.8	56.6		Cum	1	5.80	1.10	1.10	1.10	0.23	1.47	
56.6	70		Cum	1	13.40	1.10	1.10	1.10	0.23	3.39	
70	85		Cum	1	15.00	1.10	1.10	1.10	0.23	3.80	
85	92.8		Cum	1	7.80	1.10	1.10	1.10	0.23	1.97	
92.8	105		Cum	1	12.20	1.10	1.10	1.10	0.23	3.09	
105	115.4		Cum	1	10.40	1.10	1.10	1.10	0.23	2.63	
		W0529									
		South to North									
0	15		Cum	1	15.00	1.10	1.10	1.10	0.23	3.80	
15	30		Cum	1	15.00	1.10	1.10	1.10	0.23	3.80	
30	37.5		Cum	1	7.50	1.10	1.10	1.10	0.23	1.90	
37.5	45		Cum	1	7.50	1.10	1.10	1.10	0.23	1.90	
45	60		Cum	1	15.00	1.10	1.10	1.10	0.23	3.80	
60	75		Cum	1	15.00	1.10	1.10	1.10	0.23	3.80	
75	80		Cum	1	5.00	1.10	1.10	1.10	0.23	1.27	
		West to East									
0	15		Cum	1	15.00	1.10	1.10	1.10	0.23	3.80	
15	30		Cum	1	15.00	1.10	1.10	1.10	0.23	3.80	
30	45		Cum	1	15.00	1.10	1.10	1.10	0.23	3.80	
45	60		Cum	1	15.00	1.10	1.10	1.10	0.23	3.80	
60	64.2		Cum	1	4.20	1.10	1.10	1.10	0.23	1.06	
		W0332									
		West to East									
0	15		Cum	1	15.00	1.10	1.10	1.10	0.23	3.80	
15	30		Cum	1	15.00	1.10	1.10	1.10	0.23	3.80	
30	33.5		Cum	1	3.50	1.10	1.10	1.10	0.23	0.89	

CAPC
21/3/2022

99.38



Contractor

PMC

Assistant Engineer

21.3.2022

Assistant Executive Engineer

21/3/2022

PRE MEASUREMENT SHEET

First and Final

Chainage		Description of Item	Unit	No	Length (m)	Breadth			Depth (m)	Quantity	Remark
From	To					B1	B2	Avg B			
		Cross Road									
		West to East									
0	15		Cum	1	15.00	1.10	1.10	1.10	0.23	3.80	✓
15	30		Cum	1	15.00	1.10	1.10	1.10	0.23	3.80	✓
		Road Strengthening for Kaveri Water									
		line Cut Portion									
		Maruthi Layout									
		W0326/W0537									
		From West to East									
0	15		Cum	1	15.00	1.10	1.10	1.10	0.23	3.80	✓
15	30		Cum	1	15.00	1.10	1.10	1.10	0.23	3.80	✓
30	45		Cum	1	15.00	1.10	1.10	1.10	0.23	3.80	✓
45	60		Cum	1	15.00	1.10	1.10	1.10	0.23	3.80	✓
60	75		Cum	1	15.00	1.10	1.10	1.10	0.23	3.80	✓
75	84		Cum	1	9.00	1.10	1.10	1.10	0.23	2.28	✓
		W0324									
		South to North									
0	15		Cum	1	15.00	1.10	1.10	1.10	0.23	3.80	✓
15	17.2		Cum	1	2.20	1.10	1.10	1.10	0.23	0.56	✓
		W0324									
		East to West									
0	15		Cum	1	15.00	1.10	1.10	1.10	0.23	3.80	✓
15	30		Cum	1	15.00	1.10	1.10	1.10	0.23	3.80	✓
30	45		Cum	1	15.00	1.10	1.10	1.10	0.23	3.80	✓
45	49.3		Cum	1	4.30	1.10	1.10	1.10	0.23	1.09	✓
19.3	50.8	Culvert	Cum	0	0.00	1.10	1.10	1.10	0.23	0.00	✓
50.8	56.6		Cum	1	5.80	1.10	1.10	1.10	0.23	1.47	✓
56.6	70		Cum	1	13.40	1.10	1.10	1.10	0.23	3.39	✓
70	85		Cum	1	15.00	1.10	1.10	1.10	0.23	3.80	✓
85	92.8		Cum	1	7.80	1.10	1.10	1.10	0.23	1.97	✓
92.8	105		Cum	1	12.20	1.10	1.10	1.10	0.23	3.09	✓
105	115.4		Cum	1	10.40	1.10	1.10	1.10	0.23	2.63	✓
		W0529									
		South to North									
0	15		Cum	1	15.00	1.10	1.10	1.10	0.23	3.80	✓
15	30		Cum	1	15.00	1.10	1.10	1.10	0.23	3.80	✓
30	37.5		Cum	1	7.50	1.10	1.10	1.10	0.23	1.90	✓
37.5	45		Cum	1	7.50	1.10	1.10	1.10	0.23	1.90	✓
45	60		Cum	1	15.00	1.10	1.10	1.10	0.23	3.80	✓
60	75		Cum	1	15.00	1.10	1.10	1.10	0.23	3.80	✓
75	80		Cum	1	5.00	1.10	1.10	1.10	0.23	1.27	✓
		W0318									
		West to East									
0	15		Cum	1	15.00	1.10	1.10	1.10	0.23	3.80	✓
15	30		Cum	1	15.00	1.10	1.10	1.10	0.23	3.80	✓
30	45		Cum	1	15.00	1.10	1.10	1.10	0.23	3.80	✓
45	60		Cum	1	15.00	1.10	1.10	1.10	0.23	3.80	✓
60	64.2		Cum	1	4.20	1.10	1.10	1.10	0.23	1.06	✓
		W0332									
		West to East									
0	15		Cum	1	15.00	1.10	1.10	1.10	0.23	3.80	✓
15	30		Cum	1	15.00	1.10	1.10	1.10	0.23	3.80	✓

106 08



Contractor

Assistant Engineer

Assistant Executive Engineer

PRE MEASUREMENT SHEET

First and Final

Chainage From To	Description of Item	Unit	No	Length (m)	Breadth			Depth (m)	Quantity	Remark
					B1	B2	Avg B			
30	33.5	Cum	1	3.50	1.10	1.10	1.10	0.23	0.89	
	Cross Road									
	West to East									
0	15	Cum	1	15.00	1.10	1.10	1.10	0.23	3.80	
15	30	Cum	1	15.00	1.10	1.10	1.10	0.23	3.80	
	For CC Road									
	Maruthi Layout									
	W1047									
	(From North to South)									
0	10	Cum	1	10.00	2.10	2.25	2.18	0.45	9.79	
10	15	Cum	1	5.00	2.80	2.50	2.65	0.45	5.96	
15	30	Cum	1	15.00	2.50	2.35	2.43	0.45	16.37	
30	36.6	Cum	1	6.60	2.35	2.10	2.23	0.45	6.61	
36.6	45	Cum	1	8.40	2.80	3.25	3.03	0.45	11.43	
45	60	Cum	1	15.00	3.25	3.35	3.30	0.45	22.28	
60	66.5	Cum	1	6.50	3.35	3.35	3.35	0.45	9.80	
	W0630									
	(From West to East)									
0	15	Cum	1	15.00	4.70	4.30	4.50	0.45	30.38	
15	30	Cum	1	15.00	4.30	4.00	4.15	0.45	28.01	
30	45	Cum	1	15.00	4.00	3.40	3.70	0.45	24.98	
45	60	Cum	1	15.00	3.40	3.25	3.33	0.45	22.44	
60	75	Cum	1	15.00	3.25	3.20	3.23	0.45	21.77	
75	76.9	Cum	1	1.90	3.20	3.10	3.15	0.45	2.69	
76.9	90	Cum	1	13.10	4.50	4.30	4.40	0.45	25.94	
90	105	Cum	1	15.00	4.30	4.35	4.33	0.45	29.19	
105	114.1	Cum	1	9.10	4.35	4.65	4.50	0.45	18.43	
	W1049									
	(From North to South)									
0	15	Cum	1	15.00	3.80	3.80	3.80	0.45	25.65	
15	30	Cum	1	15.00	3.80	4.00	3.90	0.45	26.33	
30	45	Cum	1	15.00	4.00	4.00	4.00	0.45	27.00	
45	60	Cum	1	15.00	4.00	4.10	4.05	0.45	27.34	
60	64.8	Cum	1	4.80	4.10	3.80	3.95	0.45	8.53	
64.8	67.5	Cum	1	2.70	3.80	4.40	4.10	0.45	4.98	
	W1035									
	(From West to East)									
0	7.6	Cum	1	7.60	3.20	3.00	3.10	0.45	10.60	
7.6	14	Cum	1	6.40	3.70	3.00	3.35	0.45	9.65	
14	22.9	Cum	1	8.90	3.80	3.50	3.65	0.45	14.62	
22.9	29.5	Cum	1	6.60	5.00	4.70	4.85	0.45	14.40	
29.5	40	Cum	1	10.50	4.40	2.80	3.60	0.45	17.01	
40	53.4	Cum	1	13.40	2.80	3.00	2.90	0.45	17.49	
	W1035									
	(From West to East)									
0	15	Cum	1	15.00	2.60	2.60	2.60	0.45	17.55	
15	23.4	Cum	1	8.40	2.60	2.60	2.60	0.45	9.83	
	W0529									
	(From North to South)									
0	5.2	Cum	1	5.20	5.80	5.80	5.80	0.45	13.57	

539.08



Contactor

23.03.2022
Assistant Engineer

23.03.2022
Assistant Executive Engineer

PRE MEASUREMENT SHEET

Challage		Description of Item	Unit	No	First and Final		Breadth			Depth (m)	Quantity	Remark
From	To				Length (m)	B1	B2	Avg B				
5.2	15		Cum	1	9.80	3.90	3.90	3.90	0.45	17.20		
15	26.3		Cum	1	11.30	3.90	3.90	3.90	0.45	19.83		
		W0348										
		From West to East										
0	15		Cum	1	15.00	5.20	4.70	4.95	0.45	33.41		
15	30		Cum	1	15.00	4.70	4.70	4.70	0.45	31.73		
30	45		Cum	1	15.00	4.70	4.80	4.75	0.45	32.06		
45	60		Cum	1	15.00	4.80	4.70	4.75	0.45	32.06		
60	75		Cum	1	15.00	4.70	3.90	4.30	0.45	29.03		
		W0609										
		From South to North										
0	15		Cum	1	15.00	4.70	4.50	4.60	0.45	31.05		
15	30		Cum	1	15.00	3.90	4.10	4.00	0.45	27.00		
30	37.2		Cum	1	7.20	4.10	4.00	4.05	0.45	13.12		
		Chember										
			Cum	-15	0.44				0.38	-2.52	263.97	
					Area of circle=(3.14X0.75²)/4=0.44							
Total Executed Quantity										1732.94		
Qty Carried to Summary										1732.94		

P. K. V.
 CIVIL Pro
 Sig.....

BRUHAT BANGALORE MAHANAGARA PALIKE

NAME OF WORK:-Improvements to Balance Roads and Drains at Bhuvaneshwarinagara and Maruthi Layout of Dasarahalli village Surrounding area in Ward no. 06 Thanisandra

PRE MEASUREMENT SHEET

First and Final

Chainage		Description of Item	Unit	No	Length		Breadth		Depth	Quantity	Remark
from	To				(m)		B1	B2			
Item no.09		Scarifying bituminous course 50mm to 75mm thick along with premix carpet / surface dressing by road roller attached with scarifier without disturbing the base and stacking the debris including cost of all labour charges, HOM of machineries complete as per specifications. and as per the directions of the Engineer-in-charge of the work									
Measurements taken on											
		Maruthi Layout									
		W0318									
		West to East									
0	15	Sqm	1	15.00	7.00	6.70	6.85		102.75	✓	
15	30	Sqm	1	15.00	6.70	6.80	6.75		101.25	✓	
30	45	Sqm	1	15.00	6.80	6.50	6.65		99.75	✓	
45	60	Sqm	1	15.00	6.50	6.00	6.25		93.75	✓	
60	64.2	Sqm	1	4.20	6.00	6.70	6.35		26.67	✓	
		W0332									
		West to East									
0	15	Sqm	1	15.00	5.50	5.50	5.50		82.50	✓	
15	30	Sqm	1	15.00	5.50	5.50	5.50		82.50	✓	
30	33.5	Sqm	1	3.50	2.20	2.20	2.20		7.70	✓	
		Chember									
		Cum	-1	0.44					-0.44	✓	
				Area of circle=(3.14X0.75²)/4=0.44							
Total Executed Quantity										596.43	✓
Qty Carried to Summary										596.43	✓



Contactor

PMC

Assistant Engineer
B.M.P. Bhuvaneshwarinagara and Maruthi

Assistant Executive Engineer
B.M.P. Bhuvaneshwarinagara and Maruthi

BRUHAT BANGALORE MAHANAGARA PALIKE

WORK:-Improvements to Balance Roads and Drains at Bhuvaneshwarinagara and Maruthi Layout of Dasarahalli
Village Surrounding area in Ward no. 06 Thanisandra

PRE MEASUREMENT SHEET

First and Final

Chainage		Description of Item	Unit	No	First and Final		Breadth			Depth	Quantity	Remark
from	To				Length (m)	B1	B2	Avg B	(m)			
Item no.10		Compaction of original ground by mechanical means including filling in depression occuring during rolling including cost of all labour, HOM complete as per specifications. and as per the directions of the Engineer-in-charge of the work										
Measurements taken on												
		Maruthi Layout										
		W0326/W0537										
		From West to East										
0	15	Sqm	1	15.00	5.50	5.90	5.70			85.50		
15	30	Sqm	1	15.00	5.90	5.90	5.90			88.50		
30	45	Sqm	1	15.00	5.90	5.80	5.85			87.75		
45	60	Sqm	1	15.00	5.80	5.80	5.80			87.00		
50	75	Sqm	1	15.00	5.80	6.10	5.95			89.25		
75	84	Sqm	1	9.00	6.10	6.30	6.20			55.80		
		W0324										
		South to North										
0	15	Sqm	1	15.00	5.80	5.70	5.75			86.25		
15	17.2	Sqm	1	2.20	5.70	5.75	5.73			12.60		
		W0324										
		East to West										
0	15	Sqm	1	15.00	6.30	5.90	6.10			91.50		
15	30	Sqm	1	15.00	5.90	5.90	5.90			88.50		
30	45	Sqm	1	15.00	5.90	6.10	6.00			90.00		
45	49.3	Sqm	1	4.30	6.10	6.10	6.10			26.23		
		Culvert										
9.3	50.8	Sqm	1	5.80	6.00	6.10	6.05			35.09		
0.8	56.6	Sqm	1	13.40	6.10	6.20	6.15			82.41		
6.6	70	Sqm	1	15.00	6.20	6.85	6.53			97.88		
70	85	Sqm	1	7.80	6.85	6.85	6.85			53.43		
85	92.8	Sqm	1	12.20	5.20	5.60	5.40			65.88		
2.8	105	Sqm	1	10.40	5.60	5.40	5.50			57.20		
05	115.4	Sqm	1									
		W0529										
		South to North										
0	15	Sqm	1	15.00	6.25	6.20	6.23			93.38		
15	30	Sqm	1	15.00	6.20	6.20	6.20			93.00		
30	37.5	Sqm	1	7.50	6.20	6.20	6.20			46.50		
7.5	45	Sqm	1	7.50	5.70	5.70	5.70			42.75		
45	60	Sqm	1	15.00	6.00	6.00	6.00			90.00		
60	75	Sqm	1	15.00	6.00	5.80	5.90			88.50		
75	80	Sqm	1	5.00	5.80	5.80	5.80			29.00		
		W0318										
		West to East										
0	15	Sqm	1	15.00	7.00	6.70	6.85			102.75		
15	30	Sqm	1	15.00	6.70	6.80	6.75			101.25		
30	45	Sqm	1	15.00	6.80	6.50	6.65			99.75		
45	60	Sqm	1	15.00	6.50	6.00	6.25			93.75		
60	64.2	Sqm	1	4.20	6.00	6.70	6.35			26.67		

2188.06



Contractor

PMC

Assistant Engineer
25/3/2022

Assistant Executive Engineer

PRE MEASUREMENT SHEET

Chainage		Description of Item	Unit	No	First and Final				Depth (m)	Quantity	Remark
From	To				Length (m)	Breadth					
					B1	B2	Avg B				
		W0332									
		West to East									
0	15		Sqm	1	15.00	5.50	5.50	5.50		82.50	✓
15	30		Sqm	1	15.00	5.50	5.50	5.50		82.50	✓
30	33.5		Sqm	1	3.50	2.20	2.20	2.20		7.70	✓
		Cross Road									
		West to East									
0	15		Sqm	1	15.00	5.10	4.80	4.95		74.25	✓
15	30		Sqm	1	15.00	4.80	4.30	4.55		68.25	✓
		For CC Road									
		Maruthi Layout									
		W1047									
		(From North to South)									
0	10		Sqm	1	10.00	2.10	2.25	2.18		21.75	✓
10	15		Sqm	1	5.00	2.80	2.50	2.65		13.25	✓
15	30		Sqm	1	15.00	2.50	2.35	2.43		36.38	✓
30	36.6		Sqm	1	6.60	2.35	2.10	2.23		14.69	✓
6.6	45		Sqm	1	8.40	2.80	3.25	3.03		25.41	✓
45	60		Sqm	1	15.00	3.25	3.35	3.30		49.50	✓
60	66.5		Sqm	1	6.50	3.35	3.35	3.35		21.78	✓
		W0630									
		(From West to East)									
0	15		Sqm	1	15.00	4.70	4.30	4.50		67.50	✓
15	30		Sqm	1	15.00	4.30	4.00	4.15		62.25	✓
30	45		Sqm	1	15.00	4.00	3.40	3.70		55.50	✓
45	60		Sqm	1	15.00	3.40	3.25	3.33		49.88	✓
60	75		Sqm	1	15.00	3.25	3.20	3.23		48.38	✓
75	76.9		Sqm	1	1.90	3.20	3.10	3.15		5.99	✓
6.9	90		Sqm	1	13.10	4.50	4.30	4.40		57.64	✓
90	105		Sqm	1	15.00	4.30	4.35	4.33		64.88	✓
105	114.1		Sqm	1	9.10	4.35	4.65	4.50		40.95	✓
		W1049									
		(From North to South)									
0	15		Sqm	1	15.00	3.80	3.80	3.80		57.00	✓
15	30		Sqm	1	15.00	3.80	4.00	3.90		58.50	✓
30	45		Sqm	1	15.00	4.00	4.00	4.00		60.00	✓
45	60		Sqm	1	15.00	4.00	4.10	4.05		60.75	✓
60	64.8		Sqm	1	4.80	4.10	3.80	3.95		18.96	✓
4.8	67.5		Sqm	1	2.70	3.80	4.40	4.10		11.07	✓
		W1035									
		(From West to East)									
0	7.6		Sqm	1	7.60	3.20	3.00	3.10		23.56	✓
7.6	14		Sqm	1	6.40	3.70	3.00	3.35		21.44	✓
14	22.9		Sqm	1	8.90	3.80	3.50	3.65		32.49	✓
2.9	29.5		Sqm	1	6.60	5.00	4.70	4.85		32.01	✓
9.5	40		Sqm	1	10.50	4.40	2.80	3.60		37.80	✓
40	53.4		Sqm	1	13.40	2.80	3.00	2.90		38.86	✓
		W1035									
		(From West to East)									
0	15		Sqm	1	15.00	2.60	2.60	2.60		39.00	✓
15	23.4		Sqm	1	8.40	2.60	2.60	2.60		21.84	✓



Contractor

Assistant Engineer

Assistant Executive Engineer

26

Chamagne	
From	To

PRV

CIVIL Pro

Sig.....

Date.....

18-03-2022

25/3/22

BRUHAT BANGALORE MAHANAGARA PALIKE

NAME OF WORK:-Improvements to Balance Roads and Drains at Bhuvaneshwarinagara and Maruthi Layout of Dasarahalli
 Village Surrounding area in Ward no. 06 Thanisandra

PRE MEASUREMENT SHEET

First and Final

Chainage		Description of Item	Unit	No	First and Final		Breadth			Depth	Quantity	Remark
From	To				Length		B1	B2	Avg B	(m)		
					(m)							
Item no.11		Construction of granular sub-base Grading-V as Sub-base and drainage layer by providing coarse graded crushed stone aggregates of granite/ trap/basalt material, mixing in a mechanical mix plant at OMC, Carriage of mixed material to work site, spreading in uniform layers with motor grader on prepared surface and compacting with vibratory power roller to achieve the 98 % proctor density, complete as per specifications and as per the directions of the Engineer-in-charge of the work										
Measurements taken on												
		Maruthi Layout										
		W0326/W0537										
		From West to East										
0	15		Cum	1	15.00	5.50	5.90	5.70	0.15	12.83	✓	
15	30		Cum	1	15.00	5.90	5.90	5.90	0.15	13.28	✓	
30	45		Cum	1	15.00	5.90	5.80	5.85	0.15	13.16	✓	
45	60		Cum	1	15.00	5.80	5.80	5.80	0.15	13.05	✓	
60	75		Cum	1	15.00	5.80	6.10	5.95	0.15	13.39	✓	
75	84		Cum	1	9.00	6.10	6.30	6.20	0.15	8.37	✓	
		W0324										
		South to North										
0	15		Cum	1	15.00	5.80	5.70	5.75	0.15	12.94	✓	
15	17.2		Cum	1	2.20	5.70	5.75	5.73	0.15	1.89	✓	
		W0324										
		East to West										
0	15		Cum	1	15.00	6.30	5.90	6.10	0.15	13.73	✓	
15	30		Cum	1	15.00	5.90	5.90	5.90	0.15	13.28	✓	
30	45		Cum	1	15.00	5.90	6.10	6.00	0.15	13.50	✓	
45	49.3		Cum	1	4.30	6.10	6.10	6.10	0.15	3.93	✓	
9.3	50.8		Cum	0	0.00	0.00	0.00	0.00	0.15	0.00	✓	
0.8	56.6		Cum	1	5.80	6.00	6.10	6.05	0.15	5.26	✓	
6.6	70		Cum	1	13.40	6.10	6.20	6.15	0.15	12.36	✓	
70	85		Cum	1	15.00	6.20	6.85	6.53	0.15	14.68	✓	
85	92.8		Cum	1	7.80	6.85	6.85	6.85	0.15	8.01	✓	
92.8	105		Cum	1	12.20	5.20	5.60	5.40	0.15	9.88	✓	
105	115.4		Cum	1	10.40	5.60	5.40	5.50	0.15	8.58	✓	
		W0529										
		South to North										
0	15		Cum	1	15.00	6.25	6.20	6.23	0.15	14.01	✓	
15	30		Cum	1	15.00	6.20	6.20	6.20	0.15	13.95	✓	
30	37.5		Cum	1	7.50	6.20	6.20	6.20	0.15	6.98	✓	
37.5	45		Cum	1	7.50	5.70	5.70	5.70	0.15	6.41	✓	
45	60		Cum	1	15.00	6.00	6.00	6.00	0.15	13.50	✓	
60	75		Cum	1	15.00	6.00	5.80	5.90	0.15	13.28	✓	
75	80		Cum	1	5.00	5.80	5.80	5.80	0.15	4.35	✓	
		Cross Road										
		West to East										
0	15		Cum	1	15.00	5.10	4.80	4.95	0.15	11.14	✓	
15	30		Cum	1	15.00	4.80	4.30	4.55	0.15	10.24	✓	

285.96



[Signature]
 Assistant Engineer

[Signature]
 Assistant Executive Engineer

PRE MEASUREMENT SHEET

First and Final

Chainage From To	Description of Item	Unit	No	Length	Breadth			Depth	Quantity	Remark
				(m)	B1	B2	Avg B	(m)		
	For CC Road									
	Maruthi Layout									
	W1047									
	(From North to South)									
0	10	Cum	1	10.00	2.10	2.25	2.18	0.15	3.26	
10	15	Cum	1	5.00	2.80	2.50	2.65	0.15	1.99	
15	30	Cum	1	15.00	2.50	2.35	2.43	0.15	5.46	
30	36.6	Cum	1	6.60	2.35	2.10	2.23	0.15	2.20	
36.6	45	Cum	1	8.40	2.80	3.25	3.03	0.15	3.81	
45	60	Cum	1	15.00	3.25	3.35	3.30	0.15	7.43	
60	66.5	Cum	1	6.50	3.35	3.35	3.35	0.15	3.27	
	W0630									
	(From West to East)									
0	15	Cum	1	15.00	4.70	4.30	4.50	0.15	10.13	
15	30	Cum	1	15.00	4.30	4.00	4.15	0.15	9.34	
30	45	Cum	1	15.00	4.00	3.40	3.70	0.15	8.33	
45	60	Cum	1	15.00	3.40	3.25	3.33	0.15	7.48	
60	75	Cum	1	15.00	3.25	3.20	3.23	0.15	7.26	
75	76.9	Cum	1	1.90	3.20	3.10	3.15	0.15	0.90	
76.9	90	Cum	1	13.10	4.50	4.30	4.40	0.15	8.65	
90	105	Cum	1	15.00	4.30	4.35	4.33	0.15	9.73	
105	114.1	Cum	1	9.10	4.35	4.65	4.50	0.15	6.14	
	W1049									
	(From North to South)									
0	15	Cum	1	15.00	3.80	3.80	3.80	0.15	8.55	
15	30	Cum	1	15.00	3.80	4.00	3.90	0.15	8.78	
30	45	Cum	1	15.00	4.00	4.00	4.00	0.15	9.00	
45	60	Cum	1	15.00	4.00	4.10	4.05	0.15	9.11	
60	64.8	Cum	1	4.80	4.10	3.80	3.95	0.15	2.84	
64.8	67.5	Cum	1	2.70	3.80	4.40	4.10	0.15	1.66	
	W1035									
	(From West to East)									
0	7.6	Cum	1	7.60	3.20	3.00	3.10	0.15	3.53	
7.6	14	Cum	1	6.40	3.70	3.00	3.35	0.15	3.22	
14	22.9	Cum	1	8.90	3.80	3.50	3.65	0.15	4.87	
22.9	29.5	Cum	1	6.60	5.00	4.70	4.85	0.15	4.80	
29.5	40	Cum	1	10.50	4.40	2.80	3.60	0.15	5.67	
40	53.4	Cum	1	13.40	2.80	3.00	2.90	0.15	5.83	
	W1035									
	(From West to East)									
0	15	Cum	1	15.00	2.60	2.60	2.60	0.15	5.85	
15	23.4	Cum	1	8.40	2.60	2.60	2.60	0.15	3.28	
	W0529									
	(From North to South)									
0	5.2	Cum	1	5.20	5.80	5.80	5.80	0.15	4.52	
5.2	15	Cum	1	9.80	3.90	3.90	3.90	0.15	5.73	
15	26.3	Cum	1	11.30	3.90	3.90	3.90	0.15	6.61	
	W0348									
	From West to East									
0	15	Cum	1	15.00	5.20	4.70	4.95	0.15	11.14	
15	30	Cum	1	15.00	4.70	4.70	4.70	0.15	10.58	

240.93



Assistant Engineer

Assistant Executive Engineer

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BMP

BRUHAT BANGALORE MAHANAGARA PALIKE

NAME OF WORK:-Improvements to Balance Roads and Drains at Bhuvaneshwarinagara and Maruthi Layout of Dasarahalli Village Surrounding area in Ward no. 06 Thanisandra

PRE MEASUREMENT SHEET

Chainage From To		Description of Item	Unit	No	First and Final			Depth (m)	Quantity	Remark	
					Length (m)	Breadth					
Item no.12		Providing, laying, spreading and compacting crushed stone aggregates of granite / trap / basalt to wet mix macadam specifications including pre mixing the material with water at OMC in mechanical mix plant carriage of mixed materials by tipper to site, laying in uniform layers with paver in sub-base/base course on well prepared surface and compacting with vibratory roller to achieve the desired density complete as per specifications and as per the directions of the Engineer-in-charge of the work									
Measurements taken on											
		Maruthi Layout									
		W0326/W0537									
		From West to East									
0	15		Cum	1	15.00	5.50	5.90	5.70	0.23	19.67	✓
15	30		Cum	1	15.00	5.90	5.90	5.90	0.23	20.36	✓
30	45		Cum	1	15.00	5.90	5.80	5.85	0.23	20.18	✓
45	60		Cum	1	15.00	5.80	5.80	5.80	0.23	20.01	✓
60	75		Cum	1	15.00	5.80	6.10	5.95	0.23	20.53	✓
75	84		Cum	1	9.00	6.10	6.30	6.20	0.23	12.83	✓
		W0324									
		South to North									
0	15		Cum	1	15.00	5.80	5.70	5.75	0.23	19.84	✓
15	17.2		Cum	1	2.20	5.70	5.75	5.73	0.23	2.90	✓
		W0324									
		East to West									
0	15		Cum	1	15.00	6.30	5.90	6.10	0.23	21.05	✓
15	30		Cum	1	15.00	5.90	5.90	5.90	0.23	20.36	✓
30	45		Cum	1	15.00	5.90	6.10	6.00	0.23	20.70	✓
45	49.3		Cum	1	4.30	6.10	6.10	6.10	0.23	6.03	✓
49.3	50.8		Cum	0	0.00	0.00	0.00	0.00	0.23	0.00	✓
50.8	56.6		Cum	1	5.80	6.00	6.10	6.05	0.23	8.07	✓
56.6	70		Cum	1	13.40	6.10	6.20	6.15	0.23	18.95	✓
70	85		Cum	1	15.00	6.20	6.85	6.53	0.23	22.51	✓
85	92.8		Cum	1	7.80	6.85	6.85	6.85	0.23	12.29	✓
92.8	105		Cum	1	12.20	5.20	5.60	5.40	0.23	15.15	✓
105	115.4		Cum	1	10.40	5.60	5.40	5.50	0.23	13.16	✓
		W0529									
		South to North									
0	15		Cum	1	15.00	6.25	6.20	6.23	0.23	21.48	✓
15	30		Cum	1	15.00	6.20	6.20	6.20	0.23	21.39	✓
30	37.5		Cum	1	7.50	6.20	6.20	6.20	0.23	10.70	✓
37.5	45		Cum	1	7.50	5.70	5.70	5.70	0.23	9.83	✓
45	60		Cum	1	15.00	6.00	6.00	6.00	0.23	20.70	✓
60	75		Cum	1	15.00	6.00	5.80	5.90	0.23	20.36	✓
75	80		Cum	1	5.00	5.80	5.80	5.80	0.23	6.67	✓
		W0318									
		West to East									
0	15		Cum	1	15.00	7.00	6.70	6.85	0.23	23.63	✓
15	30		Cum	1	15.00	6.70	6.80	6.75	0.23	23.29	✓
30	45		Cum	1	15.00	6.80	6.50	6.65	0.23	22.94	✓
45	60		Cum	1	15.00	6.50	6.00	6.25	0.23	21.56	✓



Contactor

Assistant Engineer

Assistant Executive Engineer

PRE MEASUREMENT SHEET

First and Final

Chainage From To	Description of Item	Unit	No	Length (m)	Breadth			Depth (m)	Quantity	Remark
					B1	B2	Avg B			
0 64.2		Cum	1	4.20	6.00	6.70	6.35	0.23	6.13	
	W0332									
	West to East									
0 15		Cum	1	15.00	5.50	5.50	5.50	0.23	18.98	
15 30		Cum	1	15.00	5.50	5.50	5.50	0.23	18.98	
30 33.5		Cum	1	3.50	2.20	2.20	2.20	0.23	1.77	
	Cross Road									
	West to East									
0 15		Cum	1	15.00	5.10	4.80	4.95	0.23	17.08	
15 30		Cum	1	15.00	4.80	4.30	4.55	0.23	15.70	
	Road Strengthening for UGD Cut Portion									
	Maruthi Layout									
	W0326/W0537									
	From West to East									
0 15		Cum	1	15.00	1.10	1.10	1.10	0.23	3.80	
15 30		Cum	1	15.00	1.10	1.10	1.10	0.23	3.80	
30 45		Cum	1	15.00	1.10	1.10	1.10	0.23	3.80	
45 60		Cum	1	15.00	1.10	1.10	1.10	0.23	3.80	
60 75		Cum	1	15.00	1.10	1.10	1.10	0.23	3.80	
75 84		Cum	1	9.00	1.10	1.10	1.10	0.23	2.28	
	W0324									
	South to North									
0 15		Cum	1	15.00	1.10	1.10	1.10	0.23	3.80	
15 17.2		Cum	1	2.20	1.10	1.10	1.10	0.23	0.56	
	W0324									
	East to West									
0 15		Cum	1	15.00	1.10	1.10	1.10	0.23	3.80	
15 30		Cum	1	15.00	1.10	1.10	1.10	0.23	3.80	
30 45		Cum	1	15.00	1.10	1.10	1.10	0.23	1.09	
45 49.3		Cum	1	4.30	1.10	1.10	1.10	0.23	0.00	
49.3 50.8		Cum	0	0.00	1.10	1.10	1.10	0.23	1.47	
50.8 56.6	Culvert	Cum	1	5.80	1.10	1.10	1.10	0.23	3.39	
56.6 70		Cum	1	13.40	1.10	1.10	1.10	0.23	3.80	
70 85		Cum	1	15.00	1.10	1.10	1.10	0.23	1.97	
85 92.8		Cum	1	7.80	1.10	1.10	1.10	0.23	3.09	
92.8 105		Cum	1	12.20	1.10	1.10	1.10	0.23	2.63	
105 115.4		Cum	1	10.40	1.10	1.10	1.10	0.23		
	W0529									
	South to North									
0 15		Cum	1	15.00	1.10	1.10	1.10	0.23	3.80	
15 30		Cum	1	15.00	1.10	1.10	1.10	0.23	1.90	
30 37.5		Cum	1	7.50	1.10	1.10	1.10	0.23	1.90	
37.5 45		Cum	1	7.50	1.10	1.10	1.10	0.23	3.80	
45 60		Cum	1	15.00	1.10	1.10	1.10	0.23	3.80	
60 75		Cum	1	15.00	1.10	1.10	1.10	0.23	1.27	
75 80		Cum	1	5.00	1.10	1.10	1.10	0.23		
	W0318									
0 15	West to East	Cum	1	15.00	1.10	1.10	1.10	0.23	3.80	



Contactor

Assistant Engineer
20/4/2022

Assistant Executive Engineer
20/4/2022

PRE MEASUREMENT SHEET

First and Final

Chainage From To	Description of Item	Unit	No	Length (m)	Breadth			Depth (m)	Quantity	Remark
					B1	B2	Avg B			
15 30		Cum	1	15.00	1.10	1.10	1.10	0.23	3.80	
30 45		Cum	1	15.00	1.10	1.10	1.10	0.23	3.80	
45 60		Cum	1	15.00	1.10	1.10	1.10	0.23	3.80	
60 64.2		Cum	1	4.20	1.10	1.10	1.10	0.23	1.06	
	W0332									
	West to East									
0 15		Cum	1	15.00	1.10	1.10	1.10	0.23	3.80	
15 30		Cum	1	15.00	1.10	1.10	1.10	0.23	3.80	
30 33.5		Cum	1	3.50	1.10	1.10	1.10	0.23	0.89	
	Cross Road									
	West to East									
0 15		Cum	1	15.00	1.10	1.10	1.10	0.23	3.80	
15 30		Cum	1	15.00	1.10	1.10	1.10	0.23	3.80	
	Road Strenthning for Kaveri									
	Water line Cut Portion									
	Maruthi Layout									
	W0326/W0537									
	From West to East									
0 15		Cum	1	15.00	1.10	1.10	1.10	0.23	3.80	
15 30		Cum	1	15.00	1.10	1.10	1.10	0.23	3.80	
30 45		Cum	1	15.00	1.10	1.10	1.10	0.23	3.80	
45 60		Cum	1	15.00	1.10	1.10	1.10	0.23	3.80	
60 75		Cum	1	15.00	1.10	1.10	1.10	0.23	3.80	
75 84		Cum	1	9.00	1.10	1.10	1.10	0.23	2.28	
	W0324									
	South to North									
0 15		Cum	1	15.00	1.10	1.10	1.10	0.23	3.80	
15 17.2		Cum	1	2.20	1.10	1.10	1.10	0.23	0.56	
	W0324									
	East to West									
0 15		Cum	1	15.00	1.10	1.10	1.10	0.23	3.80	
15 30		Cum	1	15.00	1.10	1.10	1.10	0.23	3.80	
30 45		Cum	1	15.00	1.10	1.10	1.10	0.23	3.80	
45 49.3		Cum	1	4.30	1.10	1.10	1.10	0.23	1.09	
9.3 50.8		Cum	0	0.00	1.10	1.10	1.10	0.23	0.00	
0.8 56.6	Culvert	Cum	1	5.80	1.10	1.10	1.10	0.23	1.47	
6.6 70		Cum	1	13.40	1.10	1.10	1.10	0.23	3.39	
70 85		Cum	1	15.00	1.10	1.10	1.10	0.23	3.80	
85 92.8		Cum	1	7.80	1.10	1.10	1.10	0.23	1.97	
2.8 105		Cum	1	12.20	1.10	1.10	1.10	0.23	3.09	
105 115.4		Cum	1	10.40	1.10	1.10	1.10	0.23	2.63	
	W0529									
	South to North									
0 15		Cum	1	15.00	1.10	1.10	1.10	0.23	3.80	
15 30		Cum	1	15.00	1.10	1.10	1.10	0.23	3.80	
30 37.5		Cum	1	7.50	1.10	1.10	1.10	0.23	1.90	
37.5 45		Cum	1	7.50	1.10	1.10	1.10	0.23	1.90	
45 60		Cum	1	15.00	1.10	1.10	1.10	0.23	3.80	
60 75		Cum	1	15.00	1.10	1.10	1.10	0.23	3.80	
75 80		Cum	1	5.00	1.10	1.10	1.10	0.23	1.27	

103.12

R. M. V.
CIVIL Pro
Sig.....
Date.....

22/4/22

22/4/22
Executive Engineer

PRE MEASUREMENT SHEET

First and Final

Charge		Description of Item	Unit	No	First and Final		Breadth			Depth (m)	Quantity	Remark
From	To				Length (m)	B1	B2	Avg B				
		W0318										
		West to East										
0	15		Cum	1	15.00	1.10	1.10	1.10	0.23	3.80		
15	30		Cum	1	15.00	1.10	1.10	1.10	0.23	3.80		
30	45		Cum	1	15.00	1.10	1.10	1.10	0.23	3.80		
45	60		Cum	1	15.00	1.10	1.10	1.10	0.23	3.80		
60	64.2		Cum	1	4.20	1.10	1.10	1.10	0.23	1.06		
		W0332										
		West to East										
0	15		Cum	1	15.00	1.10	1.10	1.10	0.23	3.80		
15	30		Cum	1	15.00	1.10	1.10	1.10	0.23	3.80		
30	33.5		Cum	1	3.50	1.10	1.10	1.10	0.23	0.89		
		Cross Road										
		West to East										
0	15		Cum	1	15.00	1.10	1.10	1.10	0.23	3.80		
15	30		Cum	1	15.00	1.10	1.10	1.10	0.23	3.80		
		Chamber										
			Cum	-10	0.44				0.23	-1.02		
					Area of circle=(3.14X0.75²)/4=0.44							
Total Executed Quantity											788.67	
Qty Carried to Summary											788.67	



Contractor

Assistant Engineer
BANGALORE

Assistant Executive Engineer
BANGALORE

BRUHAT BANGALORE MAHANAGARA PALIKE

NAME OF WORK:- Improvements to Balance Roads and Drains at Bhuvaneshwarinagara and Maruthi Layout of Dasarahalli village surrounding area in Ward no. 06 Thanisandra

PRE MEASUREMENT SHEET

First and Final

Chainage		Description of Item	Unit	No	First and Final		Breadth			Depth (m)	Quantity	Remark
From	To				Length (m)	B1	B2	Avg B				
Item no.13		Cleaning the existing WBM Road surface including removing of binding materials and other foreign matter with wire brushes and small picks sweeping with brooms or soft brushes and finally dusting with old gunny bags and bar or compressed air to receive bituminous treatment including cost of all materials, labhour, HOM of machineries complet as per specifications. and as per the directions of the Engineer-in-charge of the work										
Measurements taken on												
		Maruthi Layout										
		W0326/W0537										
		From West to East										
0	15	Sqm	1	15.00	5.50	5.90	5.70			85.50	-	
15	30	Sqm	1	15.00	5.90	5.90	5.90			88.50	-	
30	45	Sqm	1	15.00	5.90	5.80	5.85			87.75	-	
45	60	Sqm	1	15.00	5.80	5.80	5.80			87.00	-	
60	75	Sqm	1	15.00	5.80	6.10	5.95			89.25	-	
75	84	Sqm	1	9.00	6.10	6.30	6.20			55.80	-	
		W0324										
		South to North										
0	15	Sqm	1	15.00	5.80	5.70	5.75			86.25	-	
15	17.2	Sqm	1	2.20	5.70	5.75	5.73			12.60	-	
		W0324										
		East to West										
0	15	Sqm	1	15.00	6.30	5.90	6.10			91.50	-	
15	30	Sqm	1	15.00	5.90	5.90	5.90			88.50	-	
30	45	Sqm	1	15.00	5.90	6.10	6.00			90.00	-	
45	49.3	Sqm	1	4.30	6.10	6.10	6.10			26.23	-	
49.3	50.8	Sqm	0	0.00	0.00	0.00	0.00			0.00	-	
50.8	56.6	Sqm	1	5.80	6.00	6.10	6.05			35.09	-	
56.6	70	Sqm	1	13.40	6.10	6.20	6.15			82.41	-	
70	85	Sqm	1	15.00	6.20	6.85	6.53			97.88	-	
85	92.8	Sqm	1	7.80	6.85	6.85	6.85			53.43	-	
92.8	105	Sqm	1	12.20	5.20	5.60	5.40			65.88	-	
105	115.4	Sqm	1	10.40	5.60	5.40	5.50			57.20	-	
		W0529										
		South to North										
0	15	Sqm	1	15.00	6.25	6.20	6.23			93.38	-	
15	30	Sqm	1	15.00	6.20	6.20	6.20			93.00	-	
30	37.5	Sqm	1	7.50	6.20	6.20	6.20			46.50	-	
37.5	45	Sqm	1	7.50	5.70	5.70	5.70			42.75	-	
45	60	Sqm	1	15.00	6.00	6.00	6.00			90.00	-	
60	75	Sqm	1	15.00	6.00	5.80	5.90			88.50	-	
75	80	Sqm	1	5.00	5.80	5.80	5.80			29.00	-	
		W0318										
		West to East										
0	15	Sqm	1	15.00	7.00	6.70	6.85			102.75	-	
15	30	Sqm	1	15.00	6.70	6.80	6.75			101.25	-	
30	45	Sqm	1	15.00	6.80	6.50	6.65			99.75	-	
45	60	Sqm	1	15.00	6.50	6.00	6.25			93.75	-	
60	64.2	Sqm	1	4.20	6.00	6.70	6.35			26.67	-	

C.A.P.C.
25/4/2022

2183.06

CIVIL PRO
 Sig.....
 Date.....
 BANGALORE
 PMC

Assistant Engineer
 ದಿ.ವಿ.ಎಂ.ಪಿ. ಪ್ರಾಧಿಕಾರನುಸಾರ ಉಪ ವಿಭಾಗ

Assistant Executive Engineer
 ದಿ.ವಿ.ಎಂ.ಪಿ. ಪ್ರಾಧಿಕಾರನುಸಾರ ಉಪ ವಿಭಾಗ

Contractor

30

From	To
15	30
30	33
15	30
30	33

25/4/2022
Assistant Engineer

Assistant Executive Engineer

BRUHAT BANGALORE MAHANAGARA PALIKE

OF WORK:-Improvements to Balance Roads and Drains at Bhuvaneshwarinagara and Maruthi Layout of Dasarahalli
Surrounding area in Ward no. 06 Thanisandra

PRE MEASUREMENT SHEET

First and Final

Chainage From To	Description of Item	Unit	No	Length	Breadth			Depth	Quantity	Remark
				(m)	B1	B2	Avg B	(m)		
Chain no. 14	Providing and applying primer coat with S.S. bitumen emulsion on prepared surface of granular base such as WMM including cleaning of road surface and spraying primer at the rate of 0.60 kg / sqm using mechanical means complete as per specifications and as per the directions of the Engineer-in-charge of the work									
Measurements taken on										
	Maruthi Layout									
	W0324									
	South to North									
15		Sqm	1	15.00	5.80	5.70	5.75		86.25	
17.2		Sqm	1	2.20	5.70	5.75	5.73		12.60	
	W0324									
	East to West									
15		Sqm	1	15.00	6.30	5.90	6.10		91.50	
30		Sqm	1	15.00	5.90	5.90	5.90		88.50	
45		Sqm	1	15.00	5.90	6.10	6.00		90.00	
49.3		Sqm	1	4.30	6.10	6.10	6.10		26.23	
	Culvert									
50.8		Sqm	1	5.80	6.00	6.10	6.05		35.09	
56.6		Sqm	1	13.40	6.10	6.20	6.15		82.41	
70		Sqm	1	15.00	6.20	6.85	6.53		97.88	
85		Sqm	1	7.80	6.85	6.85	6.85		53.43	
92.8		Sqm	1	12.20	5.20	5.60	5.40		65.88	
105		Sqm	1	10.40	5.60	5.40	5.50		57.20	
115.4		Sqm								
	Chamber									
		Sqm	-3	0.44					-1.32	
	Area of circle=(3.14X0.75²)/4=0.44									
	Total Executed Quantity								785.64	
	Qty Carried to Summary								785.64	

R.V.R
CIVIL Pro
Sig.....
Date.....

25/4/2022

25/4/2022
Assistant Executive Engineer

BRUHAT BANGALORE MAHANAGARA PALIKE

WORK:-Improvements to Balance Roads and Drains at Bhuvaneshwarinagara and Maruthi Layout of Dasarahalli
Surrounding area in Ward no. 06 Thanisandra

PRE MEASUREMENT SHEET

First and Final

Chainage		Description of Item	Unit	No	Length	Breadth			Depth	Quantity	Remark
From	To				(m)	B1	B2	Avg B	(m)		
Item no. 15		Providing and laying dense graded bituminous macadam using crushed aggregates of specified grading, premixed with VG30 grade bituminous binder and, transporting the hot mix to work site, laying to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction in all respects complete as per specifications and as per the directions of the Engineer-in-charge of the work									
Measurements taken on											
		Maruthi Layout									
		W0324									
		South to North									
0	15		Cum	1	15.00	5.80	5.70	5.75	0.05	4.31	
15	17.2		Cum	1	2.20	5.70	5.75	5.73	0.05	0.63	
		W0324									
		East to West									
0	15		Cum	1	15.00	6.30	5.90	6.10	0.05	4.58	
15	30		Cum	1	15.00	5.90	5.90	5.90	0.05	4.43	
30	45		Cum	1	15.00	5.90	6.10	6.00	0.05	4.50	
45	49.3		Cum	1	4.30	6.10	6.10	6.10	0.05	1.31	
49.3	50.8	Culvert	Cum	0	0.00	0.00	0.00	0.00	0.05	0.00	
50.8	56.6		Cum	1	5.80	6.00	6.10	6.05	0.05	1.75	
56.6	70		Cum	1	13.40	6.10	6.20	6.15	0.05	4.12	
70	85		Cum	1	15.00	6.20	6.85	6.53	0.05	4.89	
85	92.8		Cum	1	7.80	6.85	6.85	6.85	0.05	2.67	
92.8	105		Cum	1	12.20	5.20	5.60	5.40	0.05	3.29	
105	115.4		Cum	1	10.40	5.60	5.40	5.50	0.05	2.86	
		Chamber									
			Cum	-3	0.44				0.05	-0.07	
Area of circle=(3.14X0.75²)/4=0.44											
Total Executed Quantity										39.28	
Qty Carried to Summary										39.28	



Contactor

Assistant Engineer

Assistant Executive Engineer

BRUHAT BANGALORE MAHANAGARA PALIKE

WORK:-Improvements to Balance Roads and Drains at Bhuvaneshwarinagara and Maruthi Layout of Dasarahalli

Surrounding area in Ward no. 06 Thanisandra

PRE MEASUREMENT SHEET

First and Final

Chainage		Description of Item	Unit	No	Length	Breadth			Depth	Quantity	Remark
From	To				(m)	B1	B2	Avg B	(m)		
Item no. 16		Cleaning the existing black topped surface with brooms, soft brushes and finally dusting with old gunny bags and/or compressed air to receive bituminous treatment including cost of all materials,labhour, HOM of machineries complete as per specifications.and as per the directions of the Engineer-in-charge of the work									
Measurements taken on											
		Maruthi Layout									
		W0324									
		South to North									
0	15	Sqm	1	15.00	5.80	5.70	5.75	}	86.25	✓	
15	17.2	Sqm	1	2.20	5.70	5.75	5.73		12.60	✓	
		W0324									
		East to West									
0	15	Sqm	1	15.00	6.30	5.90	6.10	}	91.50	✓	
15	30	Sqm	1	15.00	5.90	5.90	5.90		88.50	✓	
30	45	Sqm	1	15.00	5.90	6.10	6.00		90.00	✓	
45	49.3	Sqm	1	4.30	6.10	6.10	6.10		26.23	✓	
		Culvert									
49.3	50.8	Sqm	1	5.80	6.00	6.10	6.05	}	35.09	✓	
50.8	56.6	Sqm	1	13.40	6.10	6.20	6.15		82.41	✓	
56.6	70	Sqm	1	15.00	6.20	6.85	6.53		97.88	✓	
70	85	Sqm	1	7.80	6.85	6.85	6.85		53.43	✓	
85	92.8	Sqm	1	12.20	5.20	5.60	5.40		65.88	✓	
92.8	105	Sqm	1	10.40	5.60	5.40	5.50		57.20	✓	
105	115.4	Sqm	1								
		Chember									
		Sqm	-3	0.44					-1.32	✓	
				Area of circle=(3.14X0.75²)/4=0.44							
Total Executed Quantity									785.64	✓	
Qty Carried to Summary									785.64	✓	



Assistant Engineer
25/12/2022

Assistant Executive Engineer
25/12/2022

BRUHAT BANGALORE MAHANAGARA PALIKE

OF WORK:-Improvements to Balance Roads and Drains at Bhuvaneshwarinagara and Maruthi Layout of Dasarahalli
Surrounding area in Ward no. 06 Thanisandra

PRE MEASUREMENT SHEET

First and Final

First and Final											
Range		Description of Item	Unit	No	Length	Breadth			Depth	Quantity	Remark
From	To				(m)	B1	B2	Avg B	(m)		
Providing and applying tack coat using 80/100 grade bitumen(VG10) on the prepared black topped surfaces at 2.5 kg per 10 sqm. heating bitumen in boiler fitted with spray set (excluding cleaning of road surface) including cost of all materials, labour, HOM complete as per specifications and as per the directions of the Engineer-in-charge of the work											
Measurements taken on											
Maruthi Layout											
W0326/W0537											
From West to East											
15			Sqm	1	15.00	5.50	5.90	5.70		85.50	✓
30			Sqm	1	15.00	5.90	5.90	5.90		88.50	✓
45			Sqm	1	15.00	5.90	5.80	5.85		87.75	✓
60			Sqm	1	15.00	5.80	5.80	5.80		87.00	✓
75			Sqm	1	15.00	5.80	6.10	5.95		89.25	✓
84			Sqm	1	9.00	6.10	6.30	6.20		55.80	✓
W0324											
South to North											
15			Sqm	1	15.00	5.80	5.70	5.75		86.25	✓
17.2			Sqm	1	2.20	5.70	5.75	5.73		12.60	✓
W0324											
East to West											
15			Sqm	1	15.00	6.30	5.90	6.10		91.80	✓
30			Sqm	1	15.00	5.90	5.90	5.90		88.50	✓
45			Sqm	1	15.00	5.90	6.10	6.00		90.00	✓
49.3			Sqm	1	4.30	6.10	6.10	6.10		26.23	✓
50.8		Culvert	Sqm	0	0.00	0.00	0.00	0.00		0.00	✓
56.6			Sqm	1	5.80	6.00	6.10	6.05		35.09	✓
70			Sqm	1	13.40	6.10	6.20	6.15		82.41	✓
85			Sqm	1	15.00	6.20	6.85	6.53		97.88	✓
92.8			Sqm	1	7.80	6.85	6.85	6.85		53.43	✓
105			Sqm	1	12.20	5.20	5.60	5.40		65.88	✓
115.4			Sqm	1	10.40	5.60	5.40	5.50		57.20	✓
W0529											
South to North											
15			Sqm	1	15.00	6.25	6.20	6.23		93.38	✓
30			Sqm	1	15.00	6.20	6.20	6.20		93.00	✓
37.5			Sqm	1	7.50	6.20	6.20	6.20		46.50	✓
45			Sqm	1	7.50	5.70	5.70	5.70		42.75	✓
60			Sqm	1	15.00	6.00	6.00	6.00		90.00	✓
75			Sqm	1	15.00	6.00	5.80	5.90		88.50	✓
80			Sqm	1	5.00	5.80	5.80	5.80		29.00	✓
W0318											
West to East											
15			Sqm	1	15.00	7.00	6.70	6.85		102.75	✓
30			Sqm	1	15.00	6.70	6.80	6.75		101.25	✓
45			Sqm	1	15.00	6.80	6.50	6.65		99.75	✓
60			Sqm	1	15.00	6.50	6.00	6.25		93.75	✓
64.2			Sqm	1	4.20	6.00	6.70	6.35		26.67	✓



Assistant Engineer

Assistant Executive Engineer

PRE MEASUREMENT SHEET

First and Final

Description of Item	Unit	No	Length (m)	Breadth			Depth (m)	Quantity	Remark
				B1	B2	Avg B			
W0332									
West to East									
	Sqm	1	15.00	5.50	5.50	5.50		82.50	
	Sqm	1	15.00	5.50	5.50	5.50		82.50	
	Sqm	1	3.50	2.20	2.20	2.20		7.70	
Cross Road									
West to East									
	Sqm	1	15.00	5.10	4.80	4.95		74.25	
	Sqm	1	15.00	4.80	4.30	4.55		68.25	
Chember									
	Sqm	-10	0.44					-4.42	
Area of circle = $(3.14 \times 0.75^2) / 4 = 0.44$									
Total Executed Quantity								2498.84	
Qty Carried to Summary								2498.84	



PMC

Assistant Engineer

Assistant Executive Engineer

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BRUHAT BANGALORE MAHANAGARA PALIKE

NAME OF WORK:-Improvements to Balance Roads and Drains at Bhuvaneshwarinagara and Maruthi Layout of Dasarahalli
 Surrounding area in Ward no. 06 Thanisandra

PRE MEASUREMENT SHEET

Chainage		Description of Item	Unit	No	First and Final			Depth	Quantity	Remark
From	To				Length	Breadth				
						B1	B2	Avg B	(m)	
Item no.20		Dismantling of cement concrete pavement by mechanical means using pneumatic tools, breaking to pieces not exceeding 0.02 cum in volume and stock piling at designated locations and disposal of dismantled materials stacking serviceable and unserviceable materials seperately complete as per specifications. and as per the directions of the Engineer-in-charge of the work								
Measurements taken on										
		Maruthi Layout								
		W0609								
		From South to North								
0	15		Cum	1	15.00	4.70	4.50	4.60	0.15	10.35
15	30		Cum	1	15.00	3.90	4.10	4.00	0.15	9.00
30	37.2		Cum	1	7.20	4.10	4.00	4.05	0.15	4.37
		Chamber								
			Cum	-3	0.44				0.15	-0.20
					Area of circle= $(3.14 \times 0.75^2) / 4 = 0.44$					
Total Executed Quantity									23.53	
Qty Carried to Summary									23.53	



PMc

Assistant Engineer

Assistant Executive Engineer